CONSOLIDATED DOSSIER

Dr. M. L. Kulkarni

Muralidhar Laxmanrao Kulkarni, M.D. (Paed.), FIAP, FAMS, FIMSA, FIAMS, FRCPCH (UK), FCPCC (Lond.), FICP (USA), MAAP (USA), Pre-Ph.D. (Anthropology)

Former Professor & Head, Department of Paediatrics, J.J.M. Medical College, Davangere – 577 004, Karnataka

Bio-data and relevant documents, re-set in full; photographs of the published books and awards; and the recommendations, testimonials and archival records supporting the nomination for the Padma Shri.

Field: Medicine (Paediatrics and Genetics)

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About this document

Parts I to VII are a clean re-setting of the original 113-page bio-data file. All typed matter has been retyped in a clear typeface; the wording of the original is kept, and only evident typing and scanning errors have been corrected. Everything written by hand on the original pages has been typed out and is shown in *italics*. Certificates, testimonial letters, photographs and press cuttings are reproduced as scans of the originals, cleaned for contrast and straightened where needed; nothing within them has been altered. Where the original itself is incomplete or internally inconsistent, the entry is reproduced as written and the point is noted at the end of the relevant part rather than silently corrected.

Parts VIII to X gather the supporting material: photographs of the published volumes and of the awards, the letters received in support of the nomination, and the archival records of the academic career and of the Karnataka Hemophilia Society.

PART I

Curriculum vitae, bio-data and credentials

Original bio-data pages 1–17 — personal particulars, career narrative, the bio-data proforma, and the degree, registration and service certificates.

Section A — Curriculum Vitae

Name	Dr. M. L. Kulkarni
Qualification	M.D. (Paed.), FIAP, FAMS, FIMSA, FIAMS, FRCPCH (UK), FCPCC (Lond.), FICP (USA), MAAP (USA), (Ph.D.)
Designation	Former Professor & HOD Paediatrics, J.J.M. Medical College, Davangere – 577 004
Residence	# 2373, MCC ‘A’ Block, Behind Saibaba Mandir, 9th Main, Davangere – 577 004
Mobile	09449960005
Residential	08192-224647

Dr. M. L. Kulkarni joined J.J.M. Medical College as a lecturer in Paediatrics in 1975, after obtaining his M.D. from Karnataka Medical College, Hubli. Throughout his undergraduate and postgraduate course he was a rank student and a holder of the National Merit Scholarship.

He was elevated to Professor and Head of the Department of Paediatrics in the year 1993 and held that post till his retirement in 2012 (19 years). He is a fond, indulgent and dedicated teacher having a vast professional experience spanning over 37 years in the medical school. He has the unique distinction of having trained the maximum number of post-graduates (more than 800, both degree and diploma students) and more than 10,000 undergraduates in Paediatrics. He is loved and appreciated by his student community so much that there is a fan club for him on Facebook and a Wikipedia page. He is an astute clinician with special interest in Clinical Genetics and Syndromology. He had a fellowship in medical genetics from Birmingham, UK (1984–85).

PUBLICATIONS

He has received wide recognition and acclaim for his academic contributions. He has authored nearly 500 scientific papers in various biomedical journals, both national and international, on various topics in Paediatrics, in the most prestigious biomedical journals such as **Nature Genetics**, **Lancet**, **Archives of Disease in Childhood** (BMA), **American Journal of Medical Genetics**, **American Journal of Human Genetics**, **American Journal of Diseases of Children**, **Journal of Medical Genetics** and **British Medical Journal**, in addition to several other international and prominent national journals like Indian Paediatrics, Indian Journal of Paediatrics, National Medical Journal of India, Indian Journal of Practical Paediatrics and Karnataka Journal of Paediatrics, etc., *with 1,219 citations as on 2018 end.*

Publication of articles in **Nature** is considered highly prestigious, as most Nobel laureates publish in this journal.

Books published

Sl. No.	Name of the book	Publishers
1	4 volumes of Clinical Methods in Paediatrics.	J.P. Brothers Medical Publishers, New Delhi
2	Manual of Neonatology.	J.P. Brothers Medical Publishers, New Delhi

Sl. No.	Name of the book	Publishers
3	An Atlas of Neonatology, translated into Chinese & Korean.	J.P. Brothers Medical Publishers, New Delhi
4	Paediatric Cardiology, published also by Anshan Publishers (UK).	J.P. Brothers Medical Publishers, New Delhi
5	Vitamins in Health & Diseases.	J.P. Brothers Medical Publishers, New Delhi
6	Handbook of History Taking and Physical Examination in Children.	J.P. Brothers Medical Publishers, New Delhi
7	Toxicology.	Paras Medical Publisher, Hyderabad
8	Know Your Disease — A handbook for haemophilia patients.	Dixit Publishers, Davangere
9	66 chapters in various other Paediatrics and speciality books.	—
10	*CNS Manifestations of Dengue Fever (2 authors: Saurabhkumar, Kulkarni M. L.)*	—

His books are read all over the world.

AWARDS

He is the youngest recipient of the prestigious **Dr. B. C. Roy National Award** as an Eminent Medical Teacher, in the year 1994. It is the highest award for a medical man in India, given by the Medical Council of India, and is equivalent to the Dada Saheb Phalke Award for film fraternities and the Gyanapeeth Award for literary people.

He was awarded the **Best Teacher Award** of Rajiv Gandhi University of Health Sciences in 2002. He has had many Oration Awards at state, regional and national levels. He has delivered more than 500 lectures at state, national and international platforms.

EDITORIAL SERVICE

He was / is on the Editorial Board of several journals such as Indian Paediatrics, Indian Journal of Paediatrics (for 24 years), National Medical Journal of India, Journal of RGUHS, Journal of Practical Paediatrics, KJP, and Journal of the Indian Council of Medical Research.

He served as an ICMR expert on Neonatal Research and Handigodu disease, and as an expert in Genetics.

He served as **Founder Co-ordinator of the DNA Research Laboratory** in the Applied Genetics Department at Karnataka University, Dharwad (a Government of Karnataka undertaking), *till 2012.*

VISITING PROFESSORSHIP

- East Birmingham Hospital, Birmingham, UK (1985).
- Hamad Hospital, Doha, Qatar; Sohar District Hospital, Sohar, Oman (1999).
- Sanjay Gandhi Post-Graduate Institute, Lucknow, Department of Genetics.
- Department of Applied Genetics, Karnataka University, Dharwad.
- Goa Medical College, Goa, India.

WORK IN HAEMOPHILIA

He founded and served as President of the Karnataka Haemophilia Society, Davangere, for 10 years from 1988–1998. During that period he identified more than 300 patients with haemophilia, created awareness among the public through local and regional publications, and arranged national and international workshops and symposia. The Karnataka Haemophilia Centre has now grown big.

His research on **Neural Tube Defects** has furthered the breakthrough research indicating the role of preconceptional folic acid in the prevention of neural tube defects, and later of other malformations such as cleft lip and palate and conotruncal cardiac defects. Further, his work on haemophilia, consanguinity, genetic disorders and syndromology, in addition to significantly contributing to the scientific aspect of these disorders, has helped thousands of affected families. He has described a new syndrome with international collaboration, i.e. SPENCD (*Nature Genetics*, 2011).

He has been an examiner in M.D. (Paediatrics), D.C.H., D.N.B., D.M. (Medical Genetics) and Ph.D. in Genetics of various universities.

SOCIAL SERVICE AND PUBLIC IMPACT

Apart from his contribution to academics, his social service is of no less importance. As a team leader from the Department of Paediatrics of J.J.M. Medical College and the Bapuji Child Health Institute & Research Centre, Davangere, he has contributed to breast feeding promotion in India, nutritional rehabilitation, diarrhoea treatment and training, parental education, prevention of parent-to-child transmission of HIV infection, state-of-the-art neonatal care, genetic services and medical education for medical and paramedical people.

His publications in scientific papers were extensively covered in the lay media, both print and electronic. To name a few: his article on “Additives in children’s medicine”, published in the *British Medical Journal* in the year 1993, had a great impact on drug policy in India — the Drug Controller of India came out heavily on the pharmaceutical companies to restrict the use of unnecessary additives in children’s medicine. Dr. M. L. Kulkarni’s publication in *Indian Paediatrics* on the “School Bag” in the year 1991 resulted in a nation-wide debate, including in Parliament and the Legislative Council, and school authorities were instructed by the respective governments to reduce the burden of school bags on tiny children. His paper on snake bite has been referred to in a WHO publication, and his research on dengue fever and neurological involvement is published in the *WHO Bulletin*.

Dr. M. L. Kulkarni, working in a remote and **relatively small town**, Davangere in central Karnataka, has produced work of both national and international importance and appreciation, at great personal sacrifice (as cited by the Medical Council of India in 1994 during the Dr. B. C. Roy National Award ceremony).

Section B — Bio-data

Name	Dr. M. L. Kulkarni
Date of birth	08.09.1947
Qualifications	M.D., FIAP, FAMS, FIMSA, FIAMS, FRCPCH (UK), FCPCC (Lond.), FICP (USA), *MAAP (USA)*, Pre-Ph.D. (Anthropology), MNAS (N.Y.)
Position	*Former* Professor & HOD of Paediatrics, J.J.M. Medical College, Davangere – 577 004
Residence address	2373, M.C.C. 'A' Block, Davangere – 577 004, Karnataka
Telephone	Residence: 0819-224647 | Office: *08192-277053* | Mobile: 9449960005

M. L. Kulkarni, M.D. (Paed.), FIAP, FAMS, FIMSA, FRCPCH (UK), FCPCC (Lond.), *MAAP (USA)*, Ph.D. (Anthropology), was the Professor and Head, Department of Paediatrics at J.J.M. Medical College, Davangere, affiliated to Rajiv Gandhi University of Health Sciences, Karnataka. He is a fond, indulgent and dedicated teacher having a vast professional experience spanning over *37* years in medical school. He has the unique distinction of having officially trained the maximum number of paediatric postgraduates (nearly 1,000) and more than 10,000 basic doctors in the subject of Paediatrics in India.

He is loved and appreciated by his student community so much that there is a fan club for him on Orkut from his students, and a Wikipedia page — a phenomenon that is rare for a medical teacher (more often existing for film celebrities and politicians!). He is an astute clinician with special interest in Clinical Genetics and Syndromology. He had a Fellowship in Medical Genetics in the U.K. during 1984–1985.

He has received wide recognition and acclaim for his academic contributions. He has authored nearly 500 scientific papers in various national and international medical journals pertaining to various subjects in Paediatrics. He has publications in the most prestigious biomedical journals such as **Nature Genetics**, **Lancet**, **Archives of Disease in Childhood**, **American Journal of Medical Genetics**, **American Journal of Human Genetics**, **American Journal of Diseases of Children** (now Archives of Disease in Children and Adolescents) and the **British Medical Journal**, in addition to several other international and prominent national journals such as Indian Pediatrics, Indian Journal of Pediatrics and National Medical Journal of India, etc. Publication of articles in **Nature** is considered highly prestigious, as most Nobel laureates publish in this journal.

He has to his credit 10 paediatric books. The notable ones include **Clinical Methods in Pediatrics** (4 volumes; J.P. Brothers Medical Publishers, New Delhi), which are read in South East Asian countries, South America and African countries; **Atlas of Neonatology** (J.P. Brothers; translated into Chinese and Korean); **Pediatric Cardiology** (Anshan Publishers, U.K.; read in the USA and European countries); **Manual of Neonatology** (J.P.B.); **Pediatric Toxicology: A Comprehensive Text and Atlas** (Paras Medical Publishers, Hyderabad); **Vitamins in Health and Diseases** (J.P.B.); and **Know Your Disease** (patient guide for haemophiliacs) — besides nearly 50 chapters in various paediatric texts and monographs.

He is on the editorial board of several prestigious journals and serves as a member of the ICMR expert group on Neonatal Research and Handigodu disease, and as an expert in Genetics. He is the Founder Co-ordinator of the DNA Research Laboratory at the Applied Genetics Department, Karnataka University, Dharwad (a Government of Karnataka undertaking).

He was / is a Visiting Professor to East Birmingham Hospital, Birmingham, U.K.; Hamad Hospital, Doha, Qatar; Sohar District Hospital, Sohar, Oman; Goa Medical College, Goa; S.G.P.G.I., Lucknow; and the Department of Applied Genetics, Karnataka University, Dharwad. He has to his credit several oration awards at national and international level.

He is the **Founder and Founder President of the Karnataka Haemophilia Society**, and the youngest recipient of the prestigious **Dr. B. C. Roy National Award** of the Medical Council of India as an Eminent Medical Teacher, in the year 1994 (the youngest recipient of the award so far), and of the **Best Teacher Award** of Rajiv Gandhi University of Health Sciences, Bangalore, in 2002.

He is a Member of the Board of Studies, Department of Medical Genetics, S.G.P.G.I., Lucknow, and RGUHS, Bangalore. He is on the editorial board of the Medical Journal of D. Y. Patil University, Journal of RGUHS (Bangalore), Journal of Krishna University (ISSN 2231-4261), Karad, Maharashtra, India, and Pediatrics Today; and has served on the editorial boards of national and international journals such as Indian Pediatrics (2 years), Indian Journal of Pediatrics (25 years), National Medical Journal of India, Journal of the Indian Council of Medical Research (JICMR), Asian Journal of Practical Pediatrics, Indian Journal of Practical Pediatrics and Karnataka State Journal of Pediatrics.

His research on neural tube defects has furthered the breakthrough research indicating the role of periconceptional folic acid in the prevention of neural tube defects, and later of other malformations such as cleft lip and palate and conotruncal cardiac defects. Further, his work on haemophilia, consanguinity, genetic disorders and syndromology, in addition to significantly contributing to the scientific aspect of these disorders, has helped thousands of families affected by them.

Apart from his contribution to academics, his social service is of no less importance. As a team leader from the Department of Pediatrics of J.J.M. Medical College and the Bapuji Child Health Institute & Research Centre, Davangere, he has contributed to breast feeding promotion in India, nutritional rehabilitation, diarrhoea treatment and training, parental education, prevention of parent-to-child transmission of HIV infection, state-of-the-art neonatal care, genetic services and medical education for medical and paramedical people.

His publications in scientific papers were extensively covered in the lay media, both print and electronic. To name a few: his article on “Additives in children’s medicine” published in the *British Medical Journal* in the year 1993 had a great impact on drug policy in India — the Drug Controller of India came out heavily on the pharmaceutical companies to restrict the use of unnecessary additives in children’s medicine. His publication in *Indian Pediatrics* on the “School Bag” in the year 1991 resulted in a nation-wide debate, including in Parliament and the Legislative Council, and school authorities were instructed by the respective governments to reduce the burden of school bags on tiny children. His paper on snake bite has been referred to in a WHO publication, and his research on dengue fever and neurological involvement is published in the *WHO Bulletin*.

Dr. M. L. Kulkarni, working in a remote, relatively small town, Davangere in central Karnataka, has produced work of both national and international importance and appreciation, at great personal sacrifice (as cited by the Medical Council of India in 1994 during the Dr. B. C. Roy National Award ceremony).

Section C — Bio-data proforma

Name of the nominee	MURALIDHAR LAXMAN RAO KULKARNI
Date of birth	08.09.1947
Sex	Male
Communication address	Dr. M. L. Kulkarni, No. 2373, MCC ‘A’ Block, Davangere – 577 004
Phone	08192-224647	9449960005 (mobile)
E-mail	*kulkarniml08@gmail.com*

Date of obtaining degree / diploma

Medical / paediatric qualification	Name of the university	Qualifying date
M.B.B.S.	K.M.C., Hubli, Karnataka University, Dharwad	1971
M.D. Pediatrics	K.M.C., Hubli, Karnataka University, Dharwad	1975
FRCPCH (UK)	Royal College of Paediatrics and Child Health, London	1997
Pre-Ph.D.	Karnataka University, Dharwad	1995

1. Teaching and/or professional experience till date

Sl. no.	Designation	Hospital	Period (from – to)
1	Senior Resident	K.M.C., Hubli	1972 – 1975
2	Lecturer	JJMMC, Davangere	09.06.1975 – 14.03.1979
3	Asst. Professor	JJMMC, Davangere	15.03.1979 – 04.02.1983
4	Associate Professor	JJMMC, Davangere	05.02.1983 – 02.08.1987
5	Professor	JJMMC, Davangere	03.08.1987 – 10.07.1993
6	Professor and Head	JJMMC, Davangere	11.07.1993 to *03.01.2012*

2. Editorial services provided to medical journals

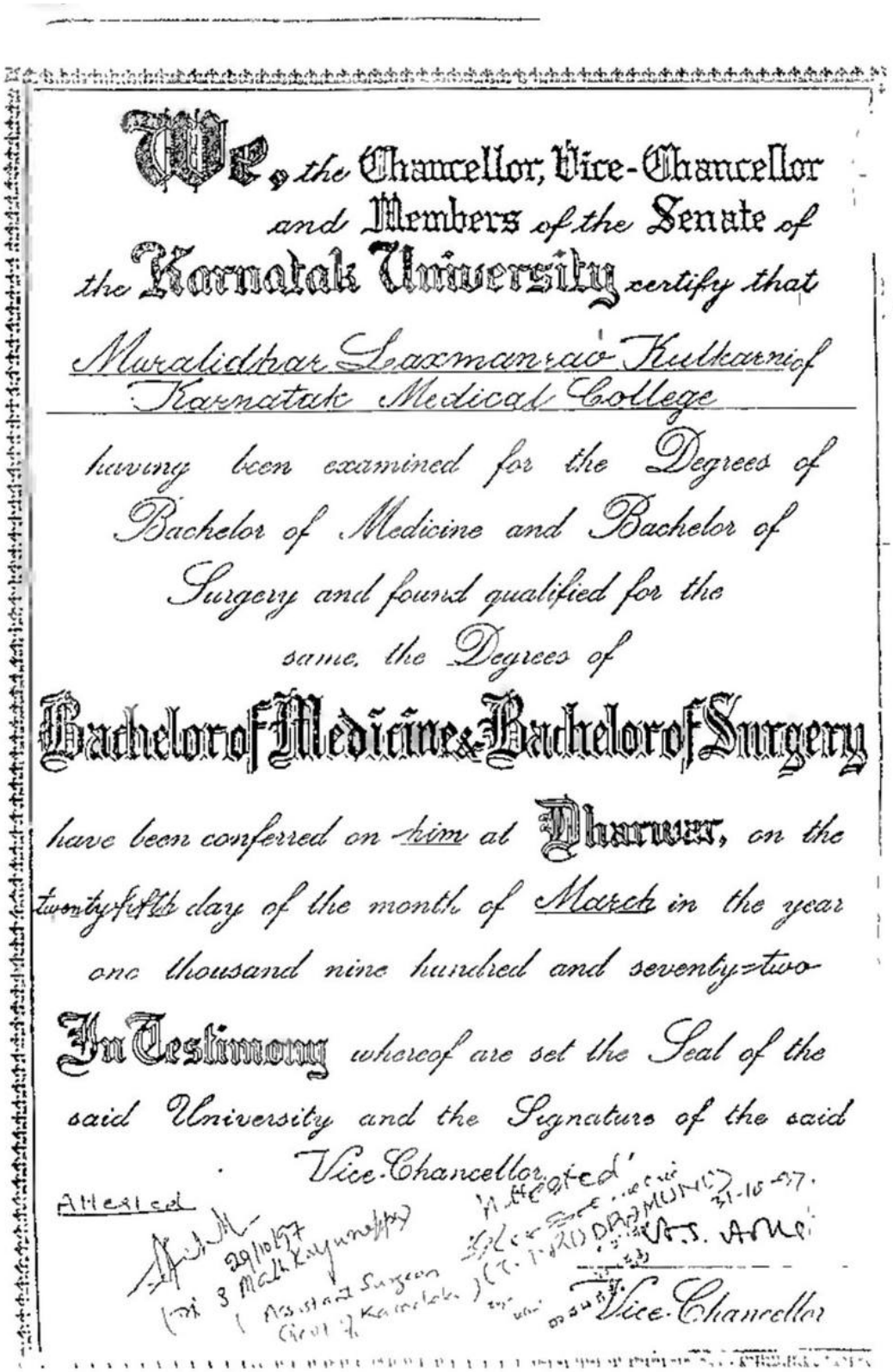
Name of the journal	Frequency	Approximate circulation	Indexed	Years of service provided	Exact job
Ind J Ped	Monthly	15,000/year	Yes	18 years	National editorial adviser, reviewer
Ind J Ped	Monthly	15,000/year	Yes	17 years	National editorial adviser, reviewer
IAP J Pr Ped	Quarterly	15,000/year	Yes	15 years	Reviewer
Ind J Medical Research (ICMR)	Monthly	30,000/year	Yes	1 year	Reviewer
Natl Med J India	Monthly	15,000/year	Yes	6 years	Reviewer, editorial contributor, regional correspondent

Name of the journal	Frequency	Approximate circulation	Indexed	Years of service provided	Exact job
Postgraduate Medicine	Monthly	5,000	Yes	6 years	Reviewer
Karnataka Ped J	Quarterly	1,000	No	10 years	Editorial adviser
Karnataka Ped J	Quarterly	5,000	No	1 year	Guest editor for special issue on genetics
Pediatrics Today	Monthly	10,000	No	6 years	Reviewer, section editor
Med J of D. Y. Patil University, Kolhapur	Monthly	1,000	No	1 year	Editorial adviser
Med J of Krishna University, Karad	Monthly	1,000	Yes	—	Editorial adviser
Med J of RGUHS University	Monthly	1,000	Yes	—	Editorial adviser

Section D — Degree, registration and service certificates

The five documents in this section are reproduced as scans of the originals (original pages 10–14). They have been cleaned for contrast and straightened where needed; no content has been altered.

D-1 M.B.B.S. degree certificate



We, the Chancellor, Vice-Chancellor and Members of the Senate of the Karnatak University certify that

Muralidhar Laxmanrao Kulkarni of Karnatak Medical College

having been examined for the Degrees of Bachelor of Medicine and Bachelor of Surgery and found qualified for the same, the Degrees of

Bachelor of Medicine & Bachelor of Surgery

have been conferred on him at Dharwar, on the twenty-fifth day of the month of March in the year one thousand nine hundred and seventy-two

In Testimony whereof are set the Seal of the said University and the Signature of the said

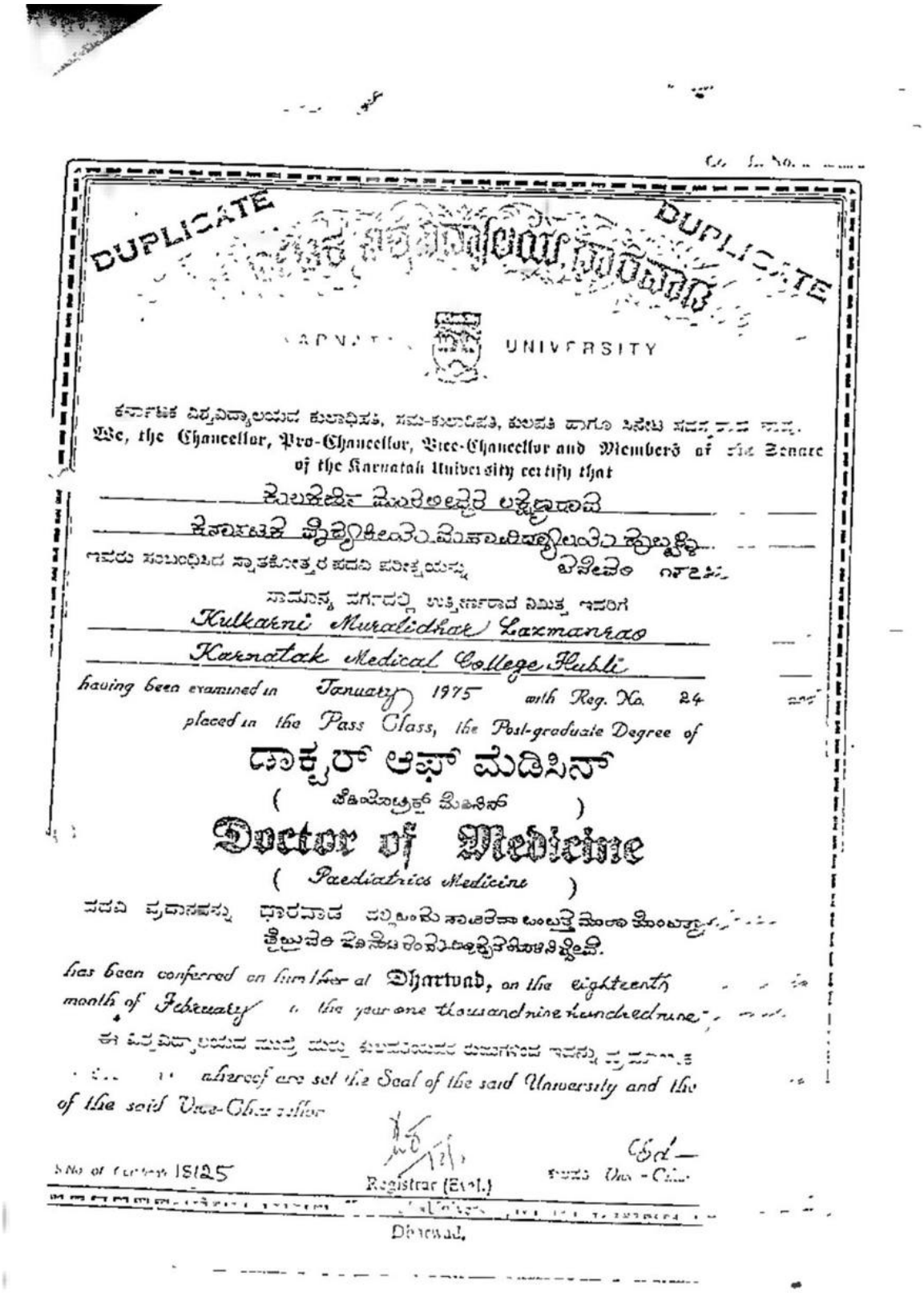
Vice-Chancellor

Attested

Vice-Chancellor

Karnatak University — M.B.B.S. degree certificate conferred at Dharwar, 25 March 1972.

D-2 M.D. (Paediatrics) degree certificate



DUPLICATE

DUPLICATE

UNIVERSITY

ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಕುಲಾಧಿಪತಿ, ಸಮ-ಕುಲಾಧಿಪತಿ, ಕುಲಪತಿ ಹಾಗೂ ಸಿನೇಟು ಸದಸ್ಯರಾದ ನಾವು.

We, the Chancellor, Pro-Chancellor, Vice-Chancellor and Members of the Senate of the Karnatak University certify that

ಕುಲಕರ್ಣಿ ಮುರಲೀಧರ ಲಕ್ಷ್ಮಣರಾವ

ಕರ್ನಾಟಕ ವೈದ್ಯಕೀಯ ಮಹಾವಿದ್ಯಾಲಯ ಹುಬ್ಬಳ್ಳಿ

ಇವರು ಸಂಬಂಧಿಸಿದ ಸ್ನಾತಕೋತ್ತರ ಪದವಿ ಪರೀಕ್ಷೆಯನ್ನು ಜನವರಿ ೧೯೭೫

ಸಾಮಾನ್ಯ ವರ್ಗದಲ್ಲಿ ಉತ್ತೀರ್ಣರಾದ ವಿಷಯ ಇವರಿಗೆ

Kulkarni Muralidhar Laxmanrao

Karnatak Medical College Hubli

having been examined in January 1975 with Reg. No. 24

placed in the Pass Class, the Post-graduate Degree of

ಡಾಕ್ಟರ್ ಆಫ್ ಮೆಡಿಸಿನ್

(ವೈದ್ಯಕೀಯ ಮೆಡಿಸಿನ್)

Doctor of Medicine

(Paediatrics Medicine)

ಪದವಿ ಪ್ರದಾನವನ್ನು ಧಾರವಾಡ ದಲ್ಲಿರುವ ತಾತ್ಕಾಲಿಕ ಬಿಲ್ಡಿಂಗ್ ಮಾಡಿ ಕೊಟ್ಟಿದ್ದಾರೆ

ಫೆಬ್ರುವರಿ ಹದಿನೆಂಟನೆಯ ದಿವಸ ಸಾವಿರದ ಒಂಭೈನೂರ ಎಪ್ಪತ್ತಾರನೆಯ

has been conferred on him/her at Dharwad, on the eighteenth

month of February in the year one thousand nine hundred nine

ಈ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಮುದ್ರೆ ಮತ್ತು ಕುಲಪತಿಯವರ ಮುಖಾಂತರ ಇವನ್ನು ದೃಢಪಡಿಸಿದೆ

in witness whereof are set the Seal of the said University and the

of the said Vice-Chancellor

No. of Certificate 15125

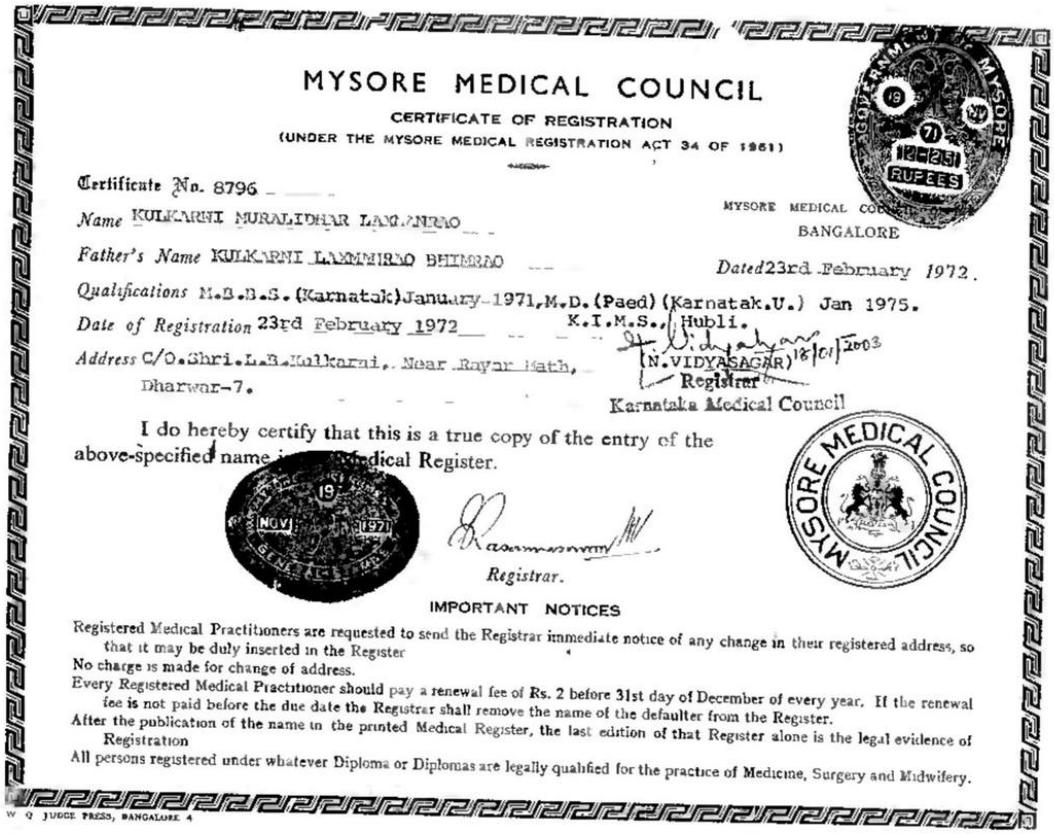
Registrar (Evl.)

Vice-Chancellor

Dharwad.

Karnatak University — post-graduate degree of Doctor of Medicine (Paediatric Medicine), examination of January 1975, conferred at Dharwad on 18 February 1976 (duplicate copy).

D-3 Medical Council registration certificate



MYSORE MEDICAL COUNCIL

CERTIFICATE OF REGISTRATION

(UNDER THE MYSORE MEDICAL REGISTRATION ACT 34 OF 1961)

Certificate No. 8796

Name KULKARNI MURALIDHAR LAXMANRAO

Father's Name KULKARNI LAXMANRAO BHIMRAO

MYSORE MEDICAL COUNCIL
BANGALORE

Dated 23rd February 1972.

Qualifications M.B.B.S. (Karnatak) January 1971, M.D. (Paed) (Karnatak U.) Jan 1975.

Date of Registration 23rd February 1972

K.I.M.S., Hubli.

Address C/O. Shri. L.B. Kulkarni, Near Rayar Math, Dharwar-7.

(N. VIDYASAGAR) 18/01/2003
Registrar
Karnataka Medical Council

I do hereby certify that this is a true copy of the entry of the above-specified name in the Medical Register.

Registrar.

IMPORTANT NOTICES

Registered Medical Practitioners are requested to send the Registrar immediate notice of any change in their registered address, so that it may be duly inserted in the Register

No charge is made for change of address.

Every Registered Medical Practitioner should pay a renewal fee of Rs. 2 before 31st day of December of every year. If the renewal fee is not paid before the due date the Registrar shall remove the name of the defaulter from the Register.

After the publication of the name in the printed Medical Register, the last edition of that Register alone is the legal evidence of Registration

All persons registered under whatever Diploma or Diplomas are legally qualified for the practice of Medicine, Surgery and Midwifery.

W. Q. JUDGE PRESS, BANGALORE 4

Mysore Medical Council — Certificate of Registration No. 6796 under the Mysore Medical Registration Act, recording qualifications M.B.B.S. (Karnatak University, 1971) and M.D. (Paed.) (Karnatak University, January 1975); date of registration 23 February 1972.

D-4 DNA Research Center, Karnataka University

KARNATAK UNIVERSITY, DHARWAD
RESEARCH CENTER FOR DNA DIAGNOSTICS
ಡಿ. ಎನ್. ಎ. ಸಂಶೋಧನಾ ಕೇಂದ್ರ

Dr. Pramod B. Gai
Principal Investigator

Pavate Nagar, Dharwad- 580 003
Karnataka- India
Phone: +91 836 2446274

Ref.No KU/RCDD/ Date:

To Whomsoever It May Concern

This is to certify that Dr M L Kulkarni, Professor and Head, Department of Pediatrics, J.J.M. Medical College, Davangere is a co-investigator in the Research Center for DNA Diagnostics funded by Government of Karnataka.

He visits our DNA Research Centre regularly and guides our research students in their research work especially in diagnosis of genetic disorders, syndromes and congenital malformations. During his visits, he also undertakes counseling for the patients and their families.

His contribution to the establishment, development and progress of DNA Research Center is immense.

Dr.P.B.Gai
Principal Investigator
Research center for DNA Diagnostics
Karnatak University, Dharwad

Karnatak University, Dharwad — Research Center for DNA Diagnostics: certificate from Dr. Pramod B. Gai, Principal Investigator, recording Dr. Kulkarni's role as co-investigator and his contribution to the establishment and development of the DNA Research Center.

D-5 Service certificate, J.J.M. Medical College

Bapuji Educational Association (Regd.)

J.J.M. MEDICAL COLLEGE

(Recognised by the Medical Council of India, New Delhi vide No MIC-34(1) 87-Med / 12101 dt. 6-8-1987)

DAVANGERE-577 004. Karnataka - India

270522 (Off.) 231388 (pri.)260669 (resi.)253850-59 Extn.101 Fax 91-8192-231388

Ref.No JJMMC/2830/2012-2013 Date: 18-09-2012

SERVICE CERTIFICATE

This is to certify that Dr.M L.Kulkarni, MD.,(Paediatrics) has served in this Institution from 09-06-1975 to 03-01-2012 in various capacities as mentioned below:

1 As Lecturer in Paediatrics from 09-06-1975 to 14-03-1979

2. As Assistant Professor of Paediatrics from 15-03-1979 to 04-02-1983

3. As Associate Professor of Paediatrics from 05-02-1983 to 02-08-1987

4 As Professor of Paediatrics from 03-08-1987 to 10-07-1993

5. As Professor & HOD of Paediatrics 11-07-1993 to 03-01-2012

He has been relieved of his duties on the A/N of 03-01-2012.

PRINCIPAL
Principal
J. J. M. MEDICAL COLLEGE
DAVANGERE

J.J.M. Medical College, Davangere — Service Certificate dated 18 September 2012, recording service from 09-06-1975 to 03-01-2012 as Lecturer, Assistant Professor, Associate Professor, Professor and Professor & HOD of Paediatrics.

Section E — Publications summary, awards and professional representation

3. Details of publications (attached)

- (a) Number of medical books published with their titles, publishers and year of publication (specifying whether single or multiple editors, mono or multiple authors, proceedings of workshop / conference / symposia, approximate copies consumed or sold, and whether receiving royalty or honorary work). (Enclosure 3a)
- (b) Contribution of chapters to books. (Enclosure 3b)
- (c) Publications in medical journals — international medical journals and national medical journals. (Enclosure 3c)
- (d) Publications in other print media. (Enclosure 3d)

4. Awards of professional recognition

Best Teacher Award, Rajiv Gandhi University of Health Sciences, 2002.

Orations

- Nizam's Institute of Medical Sciences, Hyderabad; Ongole, A.P. State, IMA Conference, 2002.
- Anatomical Society and Indian Golden Jubilee National Conference, Gulbarga, 2002.
- Asian Society of Orthodontics, Asian Conference, Cochin, 2001.
- Dr. Mallesh Memorial Oration, Bangalore Pediatric Society, 2001.
- Dr. Gopalkrishna Rao Oration, IMA, Shimoga, Karnataka, 1998.
- Dr. Ganesh Memorial Oration, Lake Side Education Trust, Bangalore, 1998.
- Dr. Pyati Srenivasachar Memorial Oration, IMA, Bellary, Karnataka, 1998.
- Dr. K. A. Krishnamurty Oration Award, Madhurai, 2003.
- Morgan Special Lecture, Department of Applied Genetics and Anthropology, Karnataka University, Dharwad, 2006.
- Dr. S. G. Desai Oration, XXI South Zone Pedicon, IAP, Hubli, 30 September 2007.
- Dr. S. G. Desai Oration, I National Satellite-linked Paediatric Conference, Pedisatcon, Hassan, 25 August 2007.
- Dr. S. G. Desai Oration, South Zone Pedicon, IAP, Hassan, 2010.

Nationals

- Dr. B. C. Roy National Award as an Eminent Medical Teacher — 1994.
- FIAP — Indian Academy of Pediatrics, Bombay — 1991.
- FIMSA — International Medical Sciences Academy, Delhi — 1992.
- FIAMS — 1993.

Internationals

- FRCPCH (UK) — 1997.
- FCPCC (London) — International College of Pediatrics, London, 1995.

5. Representation in international / national organisations, committees, bodies and institutes

Membership of expert committees

- “National Trainee in Pediatric Education” — Indian Academy of Pediatrics, Ministry of Health and Family Welfare and WHO, 2000.
- Member, expert group on research priorities in “Neonatal Health”, ICMR, 2000.

Visiting professor — India and abroad

- Visiting Professor, Goa Medical College, 1993.
- Visiting Professor, Department of Applied Genetics, Karnataka University, Dharwad, 2006.
- Visiting Professor, Department of Medical Genetics, SGPGI, Lucknow, 1995.
- Visiting Professor, E.B. Hospital, Birmingham, UK, 1985.
- Visiting Consultant, General Hospital, Doha, Qatar, 1999.
- Visiting Consultant, Sohar General Hospital, Sohar, Sultanate of Oman, 1999.
- Honorary Adviser to the Research Board of the American Biographical Institute.

6. Role in national / international paediatric societies, with years of service

- Member of the Executive Committee of the International Pediatric Association — APSSEAR.
- Member of the Executive Board of Central NNF.
- Office bearer of Central NNF.
- Office bearer of State NNF.
- Contribution to national / zonal / state conferences of NNF: Organising Chairman, Karnataka State Conference of the National Neonatology Forum (NNF), Davangere, 2000; Joint Organising Secretary.

Other organisational roles (CME programmes, symposia, seminars, workshops and chapters)

- Regional representative, V International Congress of Tropical Pediatrics, Jaipur, India, 1999.
- Chairman, V National Pulmonology Conference of IAP, Davangere, 1995.
- Chairman / Organising Secretary, International Workshop on Physiotherapy in Haemophilia, Davangere, 1999.
- Joint Co-organiser, International Workshop on Haemophilia Care, Bangalore, January 1994.
- Conference Director, Respicon — National Conference of the Respiratory Chapter of IAP, Davangere, November 2008.
- Convenor / Member of NNF committee / task force / programme.

7. Contribution made towards child welfare activities at city, state and national level (Enclosure 7)

- Work in the field of Genetics.
- Work in the field of Haemophilia.
- Work in the field of Nutritional Rehabilitation.
- Work in the field of the Diarrhoea Treatment and Training Unit (DTTU).
- Work in the field of Reorientation of Medical Education.
- Work in the field of the Baby Friendly Hospital Initiative (BFHI).
- Work in the field of the Integrated Child Development Services (ICDS).

Note: Item 8 of the proforma (summary of highlights of the outstanding contributions of the nominee) and enclosures 3a–3d (books, chapters and journal publications) continue on original pages 18 onward and are covered in Part 2 of this edition.

PART II

Books and book chapters

Enclosures 3a and 3b — twelve text books and monographs, and sixty book chapters and conference proceedings (original pages 18–24).

Enclosure 3a — Text books and monographs published by Dr. M. L. Kulkarni

Sl. No.	Title	Author single / multiple	Editor	Publisher	Year of publ.	Copies sold	Royalty
1	Manual of Neonatology	M. L. Kulkarni	M. L. Kulkarni	Jaypee Brothers Medical Publishers (P) Ltd, New Delhi	2000	1500	Yes
2	Pediatric Cardiology — An update, 1st edition	Multiple	M. L. Kulkarni	Jaypee Brothers Medical Publishers (P) Ltd, New Delhi	1997	2000	Yes
3	Clinical Methods in Pediatrics, Vol. 1: History taking and symptom analysis	M. L. Kulkarni	M. L. Kulkarni	Jaypee Brothers Medical Publishers (P) Ltd, New Delhi	2006	1000	Yes
4	Clinical Methods in Pediatrics, Vol. 2: Examination of children	M. L. Kulkarni	M. L. Kulkarni	Jaypee Brothers Medical Publishers (P) Ltd, New Delhi	2006	1000	Yes
5	Clinical Methods in Pediatrics, Vol. 3: Problem oriented approach	M. L. Kulkarni	M. L. Kulkarni	Jaypee Brothers Medical Publishers (P) Ltd, New Delhi	2006	1000	Yes
6	Pediatric Cardiology (2nd edition)	M. L. Kulkarni	M. L. Kulkarni	Jaypee Brothers Medical Publishers (P) Ltd, New Delhi	2003	1000	Yes
7	Vitamins in Health and Diseases	M. L. Kulkarni	M. L. Kulkarni	Jaypee Brothers Medical Publishers (P) Ltd, New Delhi	*2012*	*1000*	*Yes*
8	An Atlas of Neonatology	M. L. Kulkarni	M. L. Kulkarni	Jaypee Brothers Medical Publishers (P) Ltd, New Delhi	2005	1000	Yes
9	Clinical Recognition of Genetic Syndromes	M. L. Kulkarni	M. L. Kulkarni	Jaypee Brothers Medical Publishers (P) Ltd, New Delhi	Under publication	—	—
10	Pediatric ECG Made Easy	Multiple	M. L. Kulkarni	Jaypee Brothers Medical Publishers (P) Ltd, New Delhi	Under publication	—	—
11	Pediatric Toxicology	Multiple	M. L. Kulkarni	Paras Medical Publishers, New Delhi	2011	1000	Yes
12	*CNS Manifestations of Dengue Fever*	*Multiple*	*Saurabh Kumar, Kulkarni M. L.*	—	*2013*	—	*No*

Note: against item 7 the original entry “In press” was struck out by hand and replaced with the year 2012, 1000 copies and royalty “yes”. Item 12 was added by hand.

Enclosure 3b — Book chapters and full text in proceedings of international and national conferences

1. Kulkarni ML. Genetic causes of deafness. A chapter in *Clinical Approach to Common Genetic Problems*, N. B. Kumta (Ed). Genetic Chapter of Indian Academy of Paediatrics, Bombay.
2. Kulkarni ML. Disorder of carbohydrate metabolism. Proceedings of the International Symposium on Genetic Metabolic Disorders in Childhood. N. B. Kumta (Ed). Genetic Chapter of IAP, Bombay, February 8–9, 1980.
3. Kulkarni ML. Neural tube defects in South India. In: Proceedings of the Indo-US Symposium — Effect of Environmental and Genetic Factors on Pregnancy Outcome. I. C. Verma (Ed). AIIMS, New Delhi.
4. Kulkarni ML (Ed). *Know Your Disease — An information guide to haemophiliacs.* A publication of the Karnataka Hemophilia Society, Davangere, 1992. Released on 20 June 1992 at a workshop on haemophilia held at Davangere.
5. Kulkarni ML. Prenatal diagnosis of NTD. Proceedings of the Symposium on Prenatal Diagnosis, Genetic Chapter IAP, Bombay, January 1993. Published during the 30th National Pediatric Conference, held at Calcutta, January 1993.
6. Kulkarni ML. Prenatal diagnosis of NTD. In: *Perspectives in Pediatrics*. M. R. Lokeshwar (Ed). Bombay, 1993.
7. Kulkarni ML. Snakebites. *Recent Advances in Pediatrics*, 6th volume, Suraj Gupte (Ed), J.P. Publishers, New Delhi, 1996.
8. Kulkarni ML. Human Genome Project. *Recent Advances in Pediatrics*, 7th volume, Suraj Gupte (Ed), J.P. Publishers, New Delhi, 1996.
9. Kulkarni ML. Gene therapy. *Recent Advances in Pediatrics*, 7th volume, Suraj Gupte (Ed), J.P. Publishers, New Delhi, 1997.
10. Kulkarni ML. Nutritional rehabilitation. *Recent Advances in Pediatrics* — special volume on Nutrition, Growth and Development. Suraj Gupte (Ed), J.P. Publishers, New Delhi, 1997.
11. Genodermatoses. Kulkarni ML. In: Indian Association of Dermatologists, Venereologists and Leprologists *Textbook of Dermatology* (Ed) Valia R. G. Bhalani Publishing House, Bombay, 1994.
12. Prenatal diagnosis of genetic disorders. Kulkarni ML. In: *Frontiers in Pediatrics* (Ed) H. P. S. Sachdev, Chaudhary P. 1996, Jaypee Medical Publishers Pvt. Ltd, New Delhi-2.
13. Snakebite. Kulkarni ML. In: *Recent Advances in Pediatrics* Special, Vol. 3, Tropical Pediatrics, Suraj Gupte (Ed), Jaypee Medical Publishers Pvt. Ltd, New Delhi-2, 1994.
14. Nutritional rehabilitation. Kulkarni ML. In: *Recent Advances in Pediatrics* Special, Volume 3, Tropical Pediatrics, Suraj Gupte (Ed), Jaypee Medical Publishers Pvt. Ltd, New Delhi-2, 1999.
15. Muscular dystrophies. Kulkarni ML. *Recent Advances in Pediatrics*, Volume 10, Suraj Gupte (Ed), Jaypee Medical Publishers Pvt. Ltd, New Delhi-2, 1999.
16. Genetics in the tropics. Kulkarni ML. *Recent Advances in Pediatrics*, special volume Tropical Pediatrics (Ed) S. Gupte, 1998, Jaypee Medical Publishers Pvt. Ltd, New Delhi-2.
17. Muscular dystrophy. Kulkarni ML. In: *Essentials of Pediatric Neurology*, Talukdar B (Ed), 1997, New Age International (P) Ltd Publishers, New Delhi-2.
18. Nutritional rehabilitation. Kulkarni ML. In: *Recent Advances in Pediatrics*, Special Volume 6 — Gastroenterology, Hepatology and Nutrition, 2000, Suraj Gupte (Ed), Jaypee Brothers Medical Publishers (P) Ltd, New Delhi-2.
19. Genetics and genetic counselling. Kulkarni ML. In: *Indian Academy of Pediatrics Textbook of Pediatrics*, I and II editions, Parthasarathy, Menon, Nair (Eds), (1999 & 2001), Jaypee Brothers Medical Publishers, New Delhi-2.
20. Common genetic disorders. Kulkarni ML. In: *Indian Academy of Pediatrics Textbook of Pediatrics*, both I and II editions (1999 & 2001) (Ed) Parthasarathy, Menon, Nair, Jaypee Brothers Medical Publishers, New Delhi-2.
21. New genetics and advances in genetics. Kulkarni ML. In: *Indian Academy of Pediatrics Textbook of Pediatrics*, both I and II editions (1999 & 2001), Parthasarathy, Menon, Nair (Eds), J.P. Brothers Medical Publishers, New Delhi-2.

22. Inborn errors of metabolism. Kulkarni ML. In: *Indian Academy of Pediatrics Textbook of Pediatrics*, both I and II editions (1999–2001), Parthasarathy, Menon, Nair (Eds), Jaypee Brothers Medical Publishers, New Delhi-2.

23. Kulkarni ML, Reddy VV. Prevalence of HBsAg in asymptomatic carrier mothers and vertical transmission. Proceedings of the XI European Congress of Perinatal Medicine, Rome, April 10–13, 1998. CIC Edizioni Internazionali s.r.l, Area Atti Congressuali, Via Lazzaro Spallanzani 11, 00161 Rome, Italy.

24. Kulkarni ML, Mathew Kurian. Consanguinity and its effect on foetal growth and development. Proceedings of the XI European Congress of Perinatal Medicine, Rome, April 10–13, 1998. CIC Edizioni Internazionali s.r.l, Area Atti Congressuali, Via Lazzaro Spallanzani 11, 00161 Rome, Italy.

25. Kulkarni ML. Primary immunodeficiency syndrome. In: *Recent Advances in Pediatrics*, special volume — Pediatric Haematology. Suraj Gupte (Ed), Jaypee Medical Publications Pvt. Ltd, New Delhi, 2001.

26. Kulkarni ML. Genetics and cancer. In: *Recent Advances in Pediatrics*, special volume — Pediatric Haematology. Suraj Gupte (Ed), J.P. Medical Publishers Pvt. Ltd, New Delhi, 2001.

27. Kulkarni ML. Muscular dystrophy. *Recent Advances in Pediatrics*, special volume — Neurology, Suraj Gupte (Ed), Jaypee Medical Publishers Pvt. Ltd, New Delhi, 2001.

28. Kulkarni ML. Gene therapy. *PEDISCAN*, Journal of IAP, Bangalore Pediatric Society, September 2001.

29. Kulkarni ML. Immunity and immunological disorders. *Short Textbook of Pediatrics*, 10th edition, Suraj Gupte (Ed), Jaypee Medical Pvt. Ltd, New Delhi, 2004: 502–549.

30. Kulkarni ML, Kannan B. Inborn errors of metabolism. *Pediatric Therapeutics*, edition 2.

31. Cardiac embryology for the clinician — a chapter for *Textbook of Cardiology* by Dr. Satpathy, Cuttack. Jaypee Publications, New Delhi, 2005.

32. Non-bacterial meningitis — a chapter for *Textbook of Pediatric Neurology* by Dr. Talukdar. New Age International Pvt. Ltd Publishers, New Delhi-2.

33. Pediatric electrocardiology — a chapter for *Textbook of Cardiology* by Dr. Satpathy, Cuttack. Jaypee Medical Publishers, New Delhi, 2005.

34. Genetics in pediatrics — a chapter for *Achar's Textbook of Pediatrics*, edited by Swarna Rekha Bhat, Orient Longman Pvt. Ltd, Chennai.

35. Satpathy M (Ed). *Clinical Diagnosis of Congenital Heart Disease*, first edition, New Delhi, Jaypee Medical Publishers, 2008. — M. L. Kulkarni, Rahman S. N. Basic embryology of congenital heart disease: 3–10.

36. Parthasarathy A (Ed). *IAP Textbook of Pediatrics*, fourth edition, New Delhi, Jaypee Medical Publishers, 2008. — Basic genetics for genetic counselling.

37. Parthasarathy A (Ed). *IAP Textbook of Pediatrics*, fourth edition, New Delhi, Jaypee Medical Publishers, 2008. — Common genetic disorders.

38. Parthasarathy A (Ed). *IAP Textbook of Pediatrics*, fourth edition, New Delhi, Jaypee Medical Publishers, 2008. — New genetics and advances in genetics.

39. Parthasarathy A (Ed). *IAP Textbook of Pediatrics*, fourth edition, New Delhi, Jaypee Medical Publishers, 2008. — Inborn errors of metabolism.

40. The same chapters in the previous three editions of the IAP Textbook.

41. Swarna Rekha Bhat (Ed). *Achar's Textbook of Pediatrics*, fourth edition, Orient Longman Publishers. — Genetic disorders.

42. Talukdar B (Ed). *Essentials of Pediatric Neurology*, second edition, New Age International.

43. Parthasarathy A (Ed). *IAP Textbook of Pediatrics*, fifth edition, New Delhi, Jaypee Medical Publishers. — Clinical dysmorphology.

44. Parthasarathy A (Ed). *Colour Atlas of Pediatrics*, IAP, first edition, 2011. — Section on genetics.

45. Kulkarni ML (Ed). *Pediatric Cardiology*, first and second editions, 2003. — Cardiovascular system examination.

46. Kulkarni ML (Ed). *Pediatric Cardiology*, first and second editions, 2003. — An overview of congenital heart disease.

47. Kulkarni ML (Ed). *Pediatric Cardiology*, first and second editions, 2003. — Basic embryology of congenital heart disease.

48. Kulkarni ML (Ed). *Pediatric Cardiology*, first and second editions, 2003. — Anatomy of congenital heart disease.

49. Kulkarni ML (Ed). *Pediatric Cardiology*, first and second editions, 2003. — Review of common surgical procedures.

50. Kulkarni ML (Ed). *Pediatric Cardiology*, first and second editions, 2003. — Cardiac malpositions.

51. Kulkarni ML (Ed). *Pediatric Cardiology*, first and second editions, 2003. — Radiological anatomy of congenital heart disease.

52. Kulkarni ML (Ed). *Pediatric Cardiology*, first and second editions, 2003. — Basic principles of pediatric ECGs and classic ECG findings in congenital heart disease.

53. Kulkarni ML (Ed). *Pediatric Cardiology*, first and second editions, 2003. — Echocardiographic examination of congenital heart disease.

54. Kulkarni ML (Ed). *Pediatric Cardiology*, first and second editions, 2003. — Rheumatic fever in children.

55. Kulkarni ML (Ed). *Pediatric Cardiology*, first and second editions, 2003. — Congestive heart failure.

56. Kulkarni ML (Ed). *Pediatric Cardiology*, first and second editions, 2003. — Pericardial diseases in children.

57. Kulkarni ML (Ed). *Pediatric Cardiology*, first and second editions, 2003. — Infective endocarditis.

58. Kulkarni ML (Ed). *Pediatric Cardiology*, first and second editions, 2003. — Cardiovascular evaluation of a neonate.

59. *Kulkarni ML. Clinical dysmorphology. In: Parthasarathy A (Ed), IAP Textbook of Pediatrics, 5th edition, New Delhi, J.P. Medical Publishers Pvt. Ltd, 2013; pp. 805–818.*

60. *Kulkarni ML, Phadke SR. Genetics. In: Parthasarathy A (Ed), IAP Colour Atlas of Pediatrics, 1st edition, 2012, New Delhi, J.P. Medical Publishers Pvt. Ltd, pp. 259–280.*

Entries 59 and 60 were added by hand on the original page 24.

PART III

Publications in indexed international and national journals

Enclosure 3c — entries 1 to 119 (original pages 25–33).

Enclosure 3c — Publications in indexed international / national journals

1. Kulkarni ML, Mathew MA, Ramachandran B. High incidence of neural tube defects in South India. *Lancet* 1987; 1: 1260.

2. Kulkarni ML, Reddy PV. Prevalence of HBsAg in asymptomatic carrier mothers and vertical transmission in South Malnutrition. *Am J Dis Child* 1988; 142: 124–125.

3. Kulkarni ML, Shetty JJ, Sangam DK. Age independent anthropometric criteria in the assessment of protein energy malnutrition. *Am J Dis Child* 1989; 143: 210–204.

4. Kulkarni ML, Mathew MA, Reddy V. The range of neural tube defects in southern India. *Arch Dis Child* 1989; 64: 201–204.

5. Kulkarni ML, Mathew Kurian, Guruprasad G, Panchakshariah. Genetic heterogenicity in Waardenburg syndrome. *J Med Genet* 1989; 26: 411–412.

6. Kulkarni ML. Congenital malformations — editorial. *Indian Pediatr* 1989; 26: 5–10.

7. Kulkarni ML, Basavaraj AC. Tuberculin sensitivity in rural children around Davangere city. *Indian Pediatr* 1989; 26: 440–442.

8. Kulkarni ML, Holla RK. Strychnine poisoning due to therapeutic medicine. *Indian Pediatr* 1989; 26: 963–964.

9. Kulkarni ML, Mathew Kurian. Consanguinity and its effect on fetal growth and development. *J Med Genet* 1990; 27: 348–352.

10. Kulkarni ML, Venugopal P. Amniotic band syndrome — a review. *Indian Pediatr* 1990; 27: 471–476.

11. Kulkarni ML, Srinivas Rao N. Tuberculin conversion after neonatal BCG. *Indian Pediatr* 1990; 27: 765–766.

12. Kulkarni ML, Reddy VV, Mehta DS, *Jayamony G, Kumar S.* Amniotic band syndrome: report of a case. *Annals of Dentistry* 1991; L (1): 30–32.

13. Kulkarni ML, Bhagyavathi M, Kurian BG. Nail patella syndrome — a study of 37 cases. *Am J Hum Genetics* 1991; 49 *(4 suppl): 145*.

14. Kulkarni ML, Rajendran K. Normal values for penile standards in newborn. *Indian Pediatr* 1991; 28: 1341–1343.

15. Kulkarni ML, Rehman M. Neonatal assessment beyond birth weight. *Indian Pediatr* 1991; 28: 1341–1343.

16. Kulkarni ML, Sureshkumar C, Venkatraman V. Colours, flavours and sugars in children's medicines in India. *Br Med J* 1992, 25 Sept; 93: 307–773.

17. Kulkarni ML, Kannan B, Kulkarni PM. Roifman syndrome II. *Am J Med Genet* 2006 (accepted and in press).

18. Kulkarni ML. Charter of care of children in hospital. *Indian Pediatr* 1992; 29: 244.

19. Kulkarni ML. Sodium valproate controls choriathetoid movements in kernicterus. *Indian Pediatr* 1992; 29: 619–620.

20. Kulkarni ML, Rajendran NK. Inter nipple distance in the newborns. *Indian Pediatr* 1992; 29: 619–620.

21. Kulkarni ML, Rajendran NK, Sangam DK. Inter canthal, outer canthal and inter pupillary distances in newborn. *Indian Pediatr* 1992; 29: 759–763.

22. Kulkarni ML, Rajendran NK. Values for foot length in newborn. *Indian Pediatr* 1992; 29: 507–509.

23. Kulkarni ML, Rajendran NK. Value for mouth and ear measurements in newborn. *Indian Pediatr* 1992; 29: 357–360.

24. Kulkarni ML, Rajendran NK. Value for total hand length in newborn from 24–42 weeks gestation. *Indian J Pediatr* 1992; 29: 917–919.

25. Kulkarni ML, Nanda G. Haemophiliacs: a picture from a developing country — Karnatak, a South Indian state. *South East Asian J Trop Med Public Health* 1993; 24 Suppl 1: 270–273.

26. Kulkarni ML, Sureshkumar C, George VG. Stickler syndrome — report of 4 cases. *Annals of Dentistry* 1993; 52(2): 23–27.

27. Kulkarni ML, Sureshkumar C, George VG, Farooq K. Oral steroids in the treatment of periorbital haemangioma. *Indian Pediatr* 1993; 30: 379–382.

28. Kulkarni ML, Basavaraj AC, Sureshkumar C, Farooq K. Cerebrovascular accident in mitral valve prolapse. *Indian Pediatr* 1993; 30: 526–528.

29. Kulkarni ML, Basavaraj AC, Sureshkumar C, George VG. Lesch-Nyhan syndrome. *Indian Pediatr* 1993; 20: 537–540.

30. Kulkarni ML. Additives in children's medicine — editorial. *Natl Med J India* 1994; 7: 2–4.

31. Kulkarni ML, Shabeer HM. Use once and destroy. *Natl Med J India* 1994; 7: 102.

32. Kulkarni ML. Worm infestations and strict vegetarians. *Natl Med J India* 1994; 7: 252.

33. Kulkarni ML, Basavaraj AC, Sureshkumar C, Sindhur PS. Sirenomelia with spina bifida. *Indian Pediatr* 1994; 31: 1017–1024.

34. Kulkarni ML, Anees S. Snake venom poisoning: an experience with 633 cases. *Indian Pediatr* 1994; 31: 1017–1024.

35. Kulkarni ML, Rego SJ. Value of single Widal test in the diagnosis of typhoid fever. *Indian Pediatr* 1994; 31.

36. Kulkarni ML, Suresh Kumar C, Venkataramana V, Samuel Koshyt, Bhagyavathi M, Sekhar Reddy G. Thanatophoric dysplasia. *Indian Pediatr* 1994; 31: 1405–1410.

37. Kulkarni ML, Sureshkumar C, Venkatraman V. Van der Woude syndrome. *Annals of Dentistry* 1995; 54(1–2): 56–60.

38. Kulkarni ML, Sureshkumar C, Venkatraman V, Shabber HM. Russell-Silver syndrome — a study of 3 cases. *Annals of Dentistry* 1995; 54(1–2): 56–60.

39. Kulkarni ML, Sureshkumar C, Venkatraman V. Van der Woude syndrome. *Annals of Dentistry* 1995; 54(1–2): 34–35.

40. Kulkarni ML, Sureshkumar C, Venkatraman V, Shabber HM. Russell-Silver syndrome — a study of 3 cases. *Annals of Dentistry* 1995; 54(1–2): 56–60.

41. Kulkarni ML, Nassar A. Otocephaly. *Annals of Dentistry* 1995; 54(1–2): 50–52.

42. Kulkarni ML, Bhagyavathi M, Nasser A, Basanthkumar GR, Kulkarni BM. Grebe syndrome — a severely affected case. *J Med Genet* 1995; 54(1–2): 56–60.

43. Kulkarni ML, Anees Rehman. Poisoning by antidiarrhoeals. *Natl Med J India* 1995; 8244.

44. Kulkarni ML, Suresh Kumar C, Venkataramana V, Samuel Kishyt, Bhagyavathi M. Congenital contractural arachnodactyly. *Indian Pediatr* 1995; 32: 657–665.

45. Kulkarni ML, Suresh Kumar C, Samuel Koshyt, Bhagyavathi M. Skeletal dysplasias in a hospital in South India. *Indian Pediatr* 1995; 32: *657–665*.

46. Kulkarni ML, Sathish Chandran VR. Typical facies in Duchenne muscular dystrophy. *Indian Pediatr* 1952; 3: 700–701.

47. Kulkarni ML, Rego SJ. Acute acalculous cholecystitis in typhoid fever. *Indian Pediatr* 1995; 32: 1007–1011.

48. Kulkarni ML, Venkatramana V, Sureshkumar C, Satish Chandran VR. Weill-Marchesani syndrome. *Indian Pediatr* 1995; 32: 923–926.

49. Kulkarni ML, Kulkarni BM, Abdul Naseer PU. Antenatal diagnosis of Grebe syndrome in a twin pregnancy by ultrasound. *Indian Pediatr* 1995; 32: 1007–1011.

50. Kulkarni ML, Venkataraman V, Sureshkumar C. Syndromic and isolated cryptophthalmos. *Indian Pediatr* 1952; 32: 1112–1115.

51. Kulkarni ML. Grebe syndrome. *London Dysmorphology Data Base*, Oxford University Press, Walton Street, Oxford, OX3 6DP, UK, 1995.

52. Kulkarni ML. Waardenburg syndrome. *London Dysmorphology Data Base*, Oxford University Press, Walton Street, Oxford, OX3 6DP, UK, 1995.

53. Kulkarni ML. Grebe syndrome. *Possum/Ossum (Syndromes & Skeletal Dysplasias Data Base)*, The Murdoch Institute, Royal Children's Hospital, Flemington Road, Parkville, Victoria 3053, Australia, 1995.

54. Kulkarni ML. Waardenburg syndrome. *Possum/Ossum (Syndromes & Skeletal Dysplasia Data Base)*, The Murdoch Institute, Royal Children's Hospital, Flemington Road, Parkville, Victoria, Australia, 1995.

55. Kulkarni ML, Anees S. Sydenham's chorea. *Indian Pediatr* 1996; 33: 112–115.

56. Kulkarni ML, Venkataramana V, Sureshkumar C, Vijayedra Reddy E. Hypomelanosis of Ito. *Indian Pediatr* 1996; 33: 243–245.

57. Kulkarni ML, Sanjay Rani R. Xeroderma pigmentosum. *Indian Pediatr* 1996; 33: 394–398.

58. Kulkarni ML, Kallesh Hebbal, Koujalgi MB. Is female infanticide spreading to Karnataka? *Indian Pediatr* 1996; 33: 872–874.

59. Kulkarni ML, Abraham Mathew. Neural tube closure. *Indian Pediatr* 1996; 33: 872–874.

60. Kulkarni ML, Shaji Jose. Folic acid prevents neural tube closure. *Indian Pediatr* 1994; 33: 561–562.

61. Kulkarni ML, Najeeb KP. Coloured and sweetened death trap. *Indian Pediatr* 1998; 33: 385–386.

62. Kulkarni ML. Healthy baby contests: beyond show, beyond objectivity, towards health education. *Indian Pediatr* 1999; 33: 417–418.

63. Kulkarni ML, Bhagyavathi M, Nasser A. OFD syndrome. *Annals of Dentistry* (accepted and in press).

64. Kulkarni ML, Nazzar. Sotos syndrome. *Annals of Dentistry* (in press).

65. Kulkarni ML, Chandrashekar Reddy ER. Normal values for anthropometric measurements in South Indian children, part IV — intercanthal, outercanthal and interpupillary distance. *Indian J Pediatr* (accepted and in press).

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Note on the original entries

The following entries are incomplete, internally inconsistent or duplicated in the original typescript. They have been reproduced exactly as written rather than corrected, and are worth checking against the reprints: **33 and 34** carry the same volume and page range; **35, 100, 103, 105, 112, 117** give no volume or page numbers; **37–40** repeat two titles with overlapping page ranges; **42** cites *J Med Genet* with a volume and page range belonging to *Annals of Dentistry*; **43** gives "8244" in place of volume and pages; **46 and 50** are dated 1952 although the volume numbers correspond to 1995; **58 and 59** share a page range; **60** is dated 1994 against volume 33 (1996); **62** is dated 1999 against volume 33; **82** gives the page range as 97–94; **88** carried a handwritten correction in the margin, read here as "Hay-Wells syndrome of ectodermal dysplasia"; **90** gives 325–357 where the original figure is unclear. Entry **119** was handwritten.

Journal-name abbreviations have been regularised (for example "Ind. Pediatr", "Indian pediatrics" and "Indian Pediatr" all appear in the original), and author names have been spaced consistently. Years, volumes and page numbers were not touched.

PART IV

Publications in non-indexed journals, souvenirs and bulletins

Enclosures 3c and 3d — entries 1 to 131 and 1 to 27 (original pages 34–46).

Enclosure 3c — Publications in national non-indexed journals

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119. Kulkarni ML, Devareddy MM, Kulkarni AM et al. Tracheal bronchus: a rare congenital anomaly of the tracheobronchial tree. *RGUHS JMS* 2011; 1(1): 48–51.

120. Kulkarni ML, Kulkarni AJ, Reddy P, Vijaynarayan CD, Kulkarni PM. Pediatric Toxicology — book review. *RGUHS JMS* 2011; 1(2): 52.

121. Kulkarni ML, Vivekananda VV, Siddaramayyah SS. De Sanctis-Cacchione syndrome. *RGUHS JMS* 2011; 1(3): 50–52.

122. Kulkarni ML, Abhilasha, Kulkarni BM, Vivekananda VV, Vittal Rao. Pregnancy complicated by hereditary spherocytosis. *RGUHS JMS* 2011; 1(4): 14–19.

123. Kulkarni ML, Abhilasha, Siddaramayyah SS. Russell-Silver syndrome. *RGUHS JMS* 2011; 1(4): 45–48.

124. *Kulkarni ML, Sandeep R et al. [inserted authors, partly illegible: … K, Chaitali R, Shitole CS]. Asymmetric crying face syndrome. RGUHS JMS 2012; 2(3): 146–151.*

125. *Kulkarni ML, Sandeep R, Gayathri K, Chaitali R, Shitole CS, […] R P. Collodion baby. RGUHS JMS 2012; 2(3) [page numbers cut off at the foot of the original page].*

126. *[Entry 126 does not appear in the document — the original page 43 ends after entry 125 and page 44 resumes at entry 127.]*

127. *Krishnamurthy K, Pinto C, Kulkarni ML. Effect of TV viewing among school children on obesity, behavioural problems, sleep and scholastic performance. RGUHS J Med Sciences 2013; 3(1): 4–9.*

128. *Kulkarni ML, Sidramayya SS, Vivekanand VV, Kulkarni AM, Srikanth CH, Rupinder Kaur. Robinow syndrome. RGUHS J Med Sciences 2013; 3(1): 56–58.*

129. *Kulkarni ML, Sidramayya SS, Vivekanand VV, Desai A, Hemalatha. Haemophagocytic lymphohistiocytosis. RGUHS J Med Sciences 2013; 3(1): 59–62.*

130. *Kulkarni AM, Kulkarni ML, Suhasini V, Kulkarni, Sanjana KK. Multiple intracardiac rhabdomyomas — an antenatal clue to the diagnosis of tuberous sclerosis. RGUHS J Med Sciences 2013; 3(1): 65–68.*

131. *Hubli MP, Kashinath SK, Kulkarni ML. Normal variants in neonates and parental awareness. RGUHS J Med Sci 2013; 3(2): 73–77.*

Enclosure 3d — Full articles published in souvenirs of national, state and regional conferences and bulletins

1. Kulkarni ML. Genetics in pediatric practice. Souvenir, VII South Zone IAP Conference, Cochin, November 20–23, 1992.
2. Kulkarni ML. Sodium valproate in the treatment of Sydenham's chorea. *Neurotransmitter*, 1991.
3. Kulkarni ML. Genetic disorders — management. Souvenir, South Zone Conference of IAP, September 20–22, 1991, Bangalore.
4. Kulkarni ML. Fetus as a patient. J.J.M. Medical College annual magazine, 1984.
5. Kulkarni ML. Genetics for the orthopaedist. Souvenir, VIII Annual Conference, Karnataka Orthopaedics Association, 9–11 March 1983, Davangere.
6. Kulkarni ML. Nutritional Rehabilitation Centre of Davangere. Souvenir, I Karnataka Pediatric Conference, 6 March 1983, Davangere.
7. Kulkarni ML. Genetic counselling in the modern era. Souvenir, National Conference of IAP, Hyderabad, January 2000.
8. Kulkarni ML. Diarrhoea — a disease of 3. *Pediquest*, quarterly bulletin, Chitradurga district branch of IAP, Vol. 1, Issue 1, 1995.
9. Kulkarni ML. Fetal therapy by practitioner. *Pediquest*, quarterly bulletin, Chitradurga district branch IAP, Vol. 1, Issue 1.
10. Kulkarni ML. Inherited deafness. Souvenir, Karnataka ENT State Conference, Davangere, 1995.
11. Kulkarni ML. Skeletal dysplasia — an evaluation. Souvenir, Karnataka State Orthopaedic Conference, February 1994.
12. Kulkarni ML. New genetics. Souvenir, Karnataka State API Annual Conference, June 1993, Davangere.
13. Kulkarni ML. Breastfeeding. *Pediquest*, quarterly bulletin of Chitradurga district branch of IAP, Vol. 1, No. 2, 1995.
14. Kulkarni ML. Weaning. *Pediquest*, bulletin of Chitradurga district branch IAP, Vol. 1, No. 2, 1995.
15. Kulkarni ML. Normal anatomic variants in newborn. *Pediquest*, quarterly bulletin, Chitradurga district IAP branch, Vol. 1, No. 2, 1995.
16. Kulkarni ML. Traditional practices in newborn. *Pediquest*, quarterly bulletin, Chitradurga district branch of IAP, Vol. 1, No. 2, 1995.
17. Kulkarni ML. Acute bronchiolitis. *Pediquest*, quarterly bulletin, Chitradurga district IAP branch, Vol. 1, No. 3, 1995.
18. Kulkarni ML. Prenatal HIV transmission and its risk factors: a prospective study. Souvenir, IV Karnataka State Neonatology Conference, September 22–24, 2000, Davangere.
19. Kulkarni ML. Antenatal screening of women for genetic risk. Souvenir, IV Karnataka State Neonatology Conference, September 22–24, 2000, Davangere.
20. Kulkarni ML. Immunization in preterm babies. Souvenir, IV Karnataka State Neonatology Conference, September 22–24, 2000, Davangere.
21. Kulkarni ML. Folic acid — the magic bullet. XIV Karnataka State Obstetric & Gynaecology Conference, August 11–13, 2000, Davangere.
22. Kulkarni ML. Prevalence of vitamin A deficiency in central Karnataka and role of conjunctival impression cytology in detecting vitamin A deficiency. Bulletin of the Task Force of Sight and Life, March 2001, Switzerland.
23. Kulkarni ML. Can Indian recipes go global for prevention of vitamin A deficiency? Bulletin of the Task Force of Sight and Life, March 2001, Switzerland.
24. Basic genetics for the dermatologist. Souvenir, State CME in Dermatology, Venereology and Leprosy, Davangere, 11–12 August 2001.
25. 'Genetic haemophilia'. Souvenir, National Workshop on Hemophilia 2001, HFI New Delhi and KHS, Davangere, 28–29 September 2001, Davangere, Karnataka, India.

26. Human Genome Project. *Shrusti* college magazine, 2003, JJMMC.

27. Human cloning. *Shrusti* college magazine, 2005, JJMMC.

A footnote on the original page reads: “* Articles published pertaining to Perinatology and Neonatology”.

Note on the original entries

Original pages 34 and 35 are two scans of the same typed page (both numbered 21) and are reproduced here once. Entry **126** is absent from the document: page 43 ends after entry 125, whose page numbers run off the foot of the sheet, and page 44 resumes at entry 127. In entries **124** and **125** a second row of author names was squeezed in above the line and is only partly legible; these are marked in the text. Elsewhere the original is inconsistent in places that have been left as written — entry **12** is dated 1982 against a volume that belongs to 1992, entry **34** gives pages as 39–742, entry **37** as 102–1028, entry **98** carries no journal name, and entries **19, 21, 54, 55, 62–66, 76, 93, 114, 116–118** and **121** lack volume or page numbers. These are worth a check against the reprints.

PART V

Work in haemophilia and genetics; awards, fellowships and testimonials

Original pages 47–63.

7. Work in the field of haemophilia

One of the outstanding achievements of Dr. M. L. Kulkarni has been the founding of the Karnataka Hemophilia Society (KHS) in the year 1990 (Reg. No. R-SOR No. 256/89-90). With its present membership of 220 patients with haemophilia, it is one of the largest societies in the country. This society is affiliated to the Hemophilia Federation of India and the World Federation of Hemophilia. Dr. M. L. Kulkarni has been the founder president and is continuing in the same capacity till date. In addition to providing medical care, surgical care, orthopaedic care, dental care, physical therapy and counselling services, this society has a special contribution in the education of patients, parents, medical students (undergraduate and postgraduate) and doctors, both in the institution and in the community. Towards this direction Dr. M. L. Kulkarni has made the following contributions.

1. Regular educational sessions and open clinics for haemophiliacs and their parents are conducted quarterly at Davangere, the headquarters of the Karnataka Hemophilia Society.
2. He was organising secretary of an International Workshop on Physiotherapy in Hemophilia on 24 January 1991 at Davangere, where Dr. Lilly Heijnen (specialist in Physical Medicine and Rehabilitation, consultant of the Dutch National Hemophilia Clinic, member of the World Federation of Hemophilia decade plan strategic planning unit), Prof. M. L. Kulkarni and Dr. Shyamsunder Setty (Professor & Head, Department of Orthopaedics) were on the faculty. This meeting was attended by about 200 haemophiliacs with their parents, about 100 PG students, 50 members of the faculty of J.J.M. Medical College and Bapuji Dental College, Davangere, and nearly 25 doctors from the community. (A copy of the certificate is attached.)
3. Subsequently in June 1992, Dr. M. L. Kulkarni organised another National Hemophilia Workshop with the participation of haemophiliacs and doctors from the community and from the medical colleges in Karnataka and Tamil Nadu. Dr. Mamman Chandy (Professor & Head, Department of Clinical Hematology, CMC, Vellore), Dr. M. L. Kulkarni, Dr. Raj Gopal (Professor & Head, Department of Microbiology, K.M.C., Hubli) and Mr. A. B. Verma (Secretary, Hemophilia Federation of India) were on the faculty. Prof. Dr. M. L. Kulkarni's lecture and his participation in the patient and doctor education was highly appreciated by one and all.
4. During June 1993, another annual workshop was organised by Prof. Dr. M. L. Kulkarni, where Dr. Garg (orthopaedic surgeon, attached to the Hemophilia Care Center affiliated to the Hemophilia Federation of India, Delhi) was on the faculty. About 100 doctors from the community and the institution were trained in haemophilia care during that occasion.
5. On 10–11 January 1994, an International Workshop on Hemophilia Care was organised in collaboration with the Bangalore Hemophilia Society at St. John's Medical College and Hospital, Bangalore. Prof. M. L. Kulkarni was on the faculty and gave a talk on educating haemophiliacs, which was highly appreciated by the patients, parents, doctors, consultants and international faculty members: (1) Prof. P. M. Mannucci, Vice-President, World Federation of Hemophilia, Hemophilia and Thrombosis Centre at Angelo Bianchi Bonomi, Milan, Italy; (2) Dr. Brettler D. B., Professor of Medicine, University of Massachusetts Medical Center, Director, New England Hemophilia Center; (3) Dr. Lilly Heijnen, specialist in Physical Medicine and Rehabilitation, consultant of the Dutch Hemophilia Clinic and member of the World Federation of Hemophilia decade plan strategic planning unit, Netherlands. A

copy of the appreciation letters and certificates from these international authorities on haemophilia are attached. All these authorities have declared Dr. M. L. Kulkarni a specialist concerning haemophilia after having come into contact with his experience and knowledge at different meetings.

6. Prof. M. L. Kulkarni has produced several educational materials concerning haemophilia, which include the following.

a) A book entitled *Know Your Disease*, published by the Karnataka Hemophilia Society (KHS) and authored by Prof. M. L. Kulkarni, that was released during the annual conference of KHS in June 1992. This book has been highly appreciated by patients and doctors alike; more than 2,000 copies have been distributed all over the country and even in neighbouring countries (Sri Lanka).

b) A booklet on haemophilia care written in Kannada for the benefit of haemophiliacs in the state of Karnataka. This booklet is being translated into Tamil and Malayalam by the haemophilia societies existing in those states.

c) Prof. M. L. Kulkarni has produced 2 video programmes on haemophilia: (i) Physical Therapy in Hemophilia; (ii) Factor Concentrate Therapy in Hemophilia. Copies of both the videos have been highly appreciated by all the haemophilia centres in the country and several copies are distributed all over the country.

d) Prof. M. L. Kulkarni has published short articles in local newspapers and magazines concerning haemophilia, and also several charts and drawings which were displayed in a medical exhibition conducted at KMC, Hubli (Karnataka).

e) In collaboration with Prof. Rajgopal, Head of the Department of Microbiology, Prof. M. L. Kulkarni has created awareness of AIDS and its prevention among haemophiliacs.

f) A research work entitled “Hemophilia in the developing country” was presented at the following conferences: (i) South Zone Conference of the Indian Academy of Pediatrics, Cochin, 20 to 23 November 1992; (ii) VIII Asian Congress of Pediatrics, New Delhi, 6 to 11 February 1994; (iii) Asian Congress on Bleeding Disorders and Transfusion Medicine, Bangkok, Thailand, 10–15 May 1992.

Further, this research work has been published in the *South East Asian Journal of Tropical Medicine and Public Health* 1992 (supplement).

Prof. M. L. Kulkarni organised a symposium on blood transfusion in collaboration with KMC, Hubli, the Junior Doctors Association, KMC, Hubli, and Lifeline — a voluntary organisation of blood donors — at KMC, Hubli, during May 1992.

Apart from the various educational activities concerning haemophilia for patients, parents and doctors, Dr. M. L. Kulkarni has helped haemophilia care by raising funds for the activity of the society, co-ordinating with voluntary organisations for blood transfusion services, and providing “Medic Alert” to all patient members of KHS (more than 220). One patient who had become blind following retro-orbital haemorrhage (bilateral) has been admitted to a vocational school at Bangalore; another patient with a pseudotumour of the right knee has been helped by raising funds from the public to the tune of Rs. one lakh; a third patient with haemophilia having Volkmann’s ischaemic contracture with a non-functional right hand was operated upon with a successful result. These activities were executed under the dynamic leadership of Dr. M. L. Kulkarni.

Advanced research

Presently he is associated with the Sanjay Gandhi Post Graduate Institute of Medical Sciences for collaborative research on:

- Mutations in thalassaemia genes in patients with haemolytic anaemia from Karnataka.
- Mutations in the haemophilia gene in patients with haemophilia from central Karnataka.

Work in the field of genetics

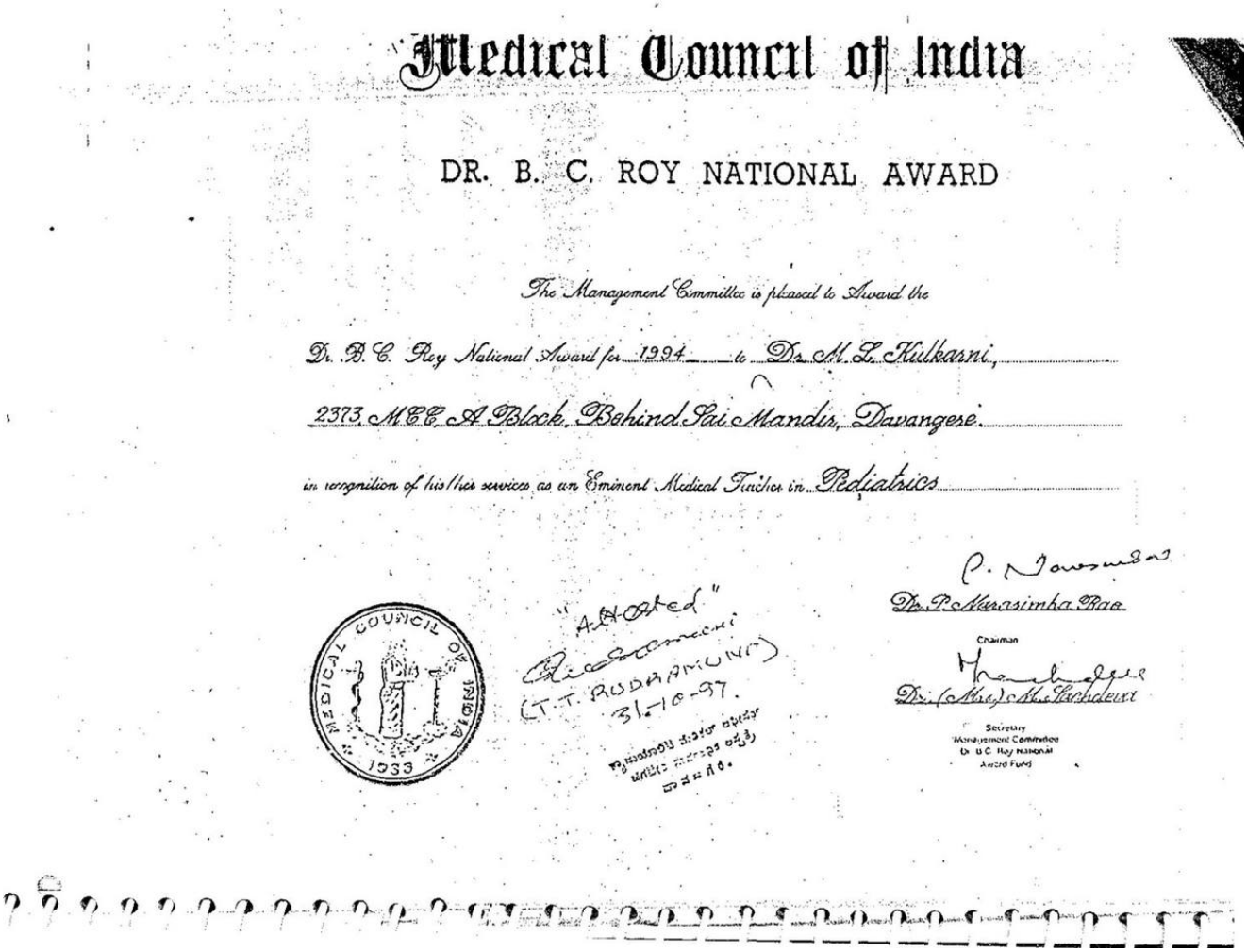
1. Has done a fellowship in Medical Genetics at E.B. Hospital, Birmingham, UK, during 1984–85.
2. Has done several original works on the epidemiology of NTD, consanguinity and haemophilia, and published these works in leading international journals like *Lancet*, *Archives of Disease in Childhood* (RCPCH), *Journal of Medical Genetics* (BMA), *Annals of Dentistry* (NYADS) and the *Journal of Tropical Medicine & Public Health*.
3. Has established morphometric norms for Indian children from 24 weeks of gestation to 14 years of age for syndrome identification, and published these works as a series of articles in *Indian Pediatrics*, the *Indian Journal of Pediatrics* and *Pediatric Clinics of India*.
4. Running a genetic counselling clinic at Davangere for more than two decades, with special interest in dysmorphology, NTD, haemophilia and skeletal dysplasia.
5. Has had a special interest in syndromology for over 25 years and has established a genetic registry in Davangere. Has published nearly eighty (80) articles on various dysmorphic syndromes. Has studied a very large number of cases of nail patella *syndromes*…

The original typescript breaks off here: page 32 of the document ends in mid-sentence and the next sheet (original page 51) is the Dr. B. C. Roy National Award certificate. If a continuation page exists, it is not present in the scanned file.

Awards, fellowships and testimonials

Original pages 51–63, reproduced as scans.

Dr. B. C. Roy National Award, 1994



Medical Council of India

DR. B. C. ROY NATIONAL AWARD

The Management Committee is pleased to Award the

Dr. B. C. Roy National Award for 1994 to Dr. M. L. Kulkarni,

2373 MCC A Block, Behind Sai Mandir, Davangere.

in recognition of his/her services as an Eminent Medical Teacher in Pediatrics

MEDICAL COUNCIL OF INDIA 1933

"Attested"

LT. T. RUDRAMUNI 31-10-97.

P. Narasimha Rao

Dr. P. Narasimha Rao

Chairman

Dr. (Mrs.) A. L. Pachauri

Secretary

Management Committee

Dr. B.C. Roy National

Award Fund

Medical Council of India — Dr. B. C. Roy National Award for 1994 conferred on Dr. M. L. Kulkarni, 2373 MCC ‘A’ Block, Behind Sai Mandir, Davangere, in recognition of his services as an eminent medical teacher in paediatrics. Attested 31 October 1997.

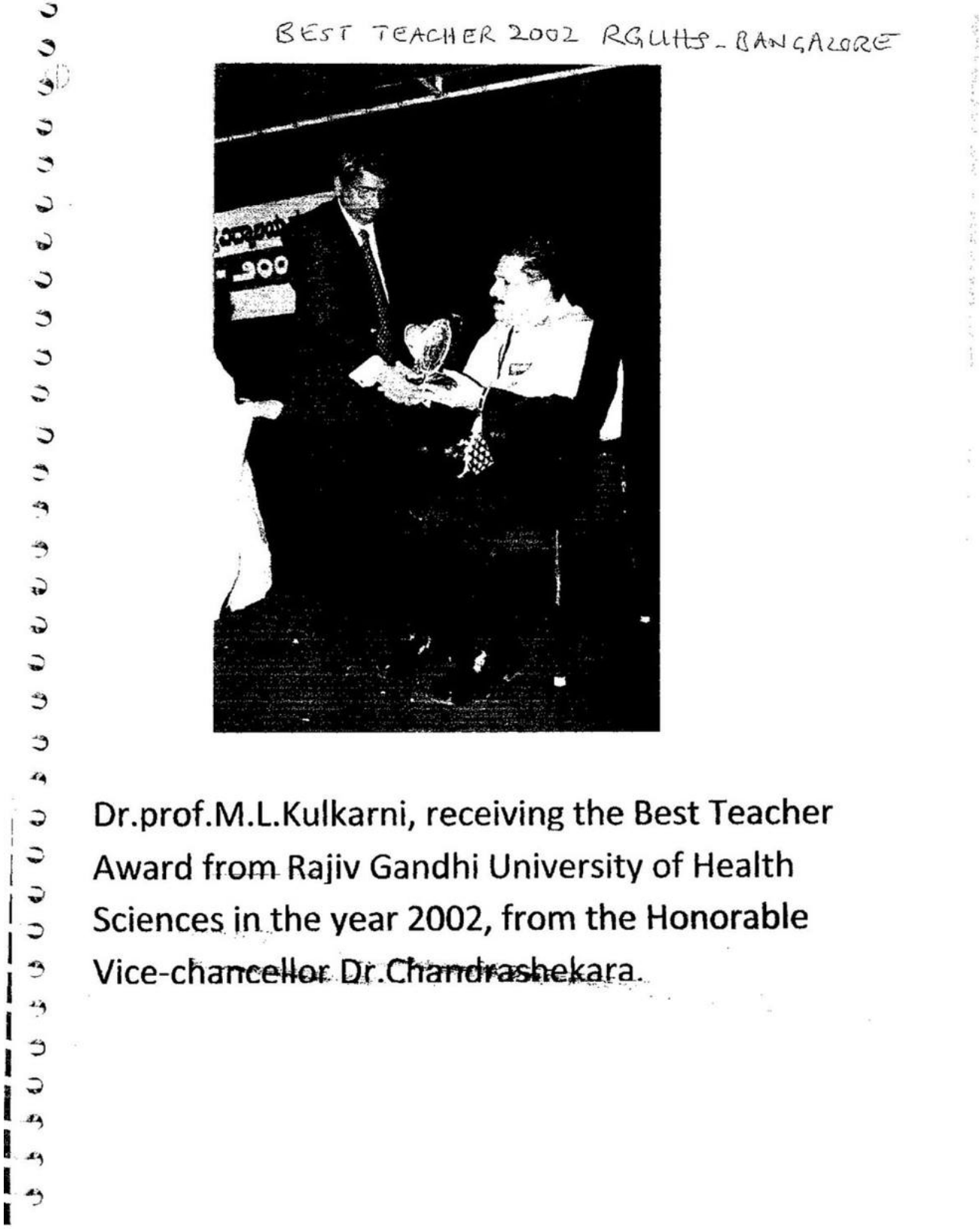
Presentation of the Dr. B. C. Roy National Award



Dr prof M L Kulkarni receiving the prestigious Dr B C Roy National Award of Medical Council Of India, as an Eminent Medical Teacher from President of India, His Excellency Dr. Shankar Dayal Sharma for the year 1994 .

Photograph with the caption on the original page: “Dr. Prof. M. L. Kulkarni receiving the prestigious Dr. B. C. Roy National Award of the Medical Council of India as an Eminent Medical Teacher from the President of India, His Excellency Dr. Shankar Dayal Sharma, for the year 1994.”

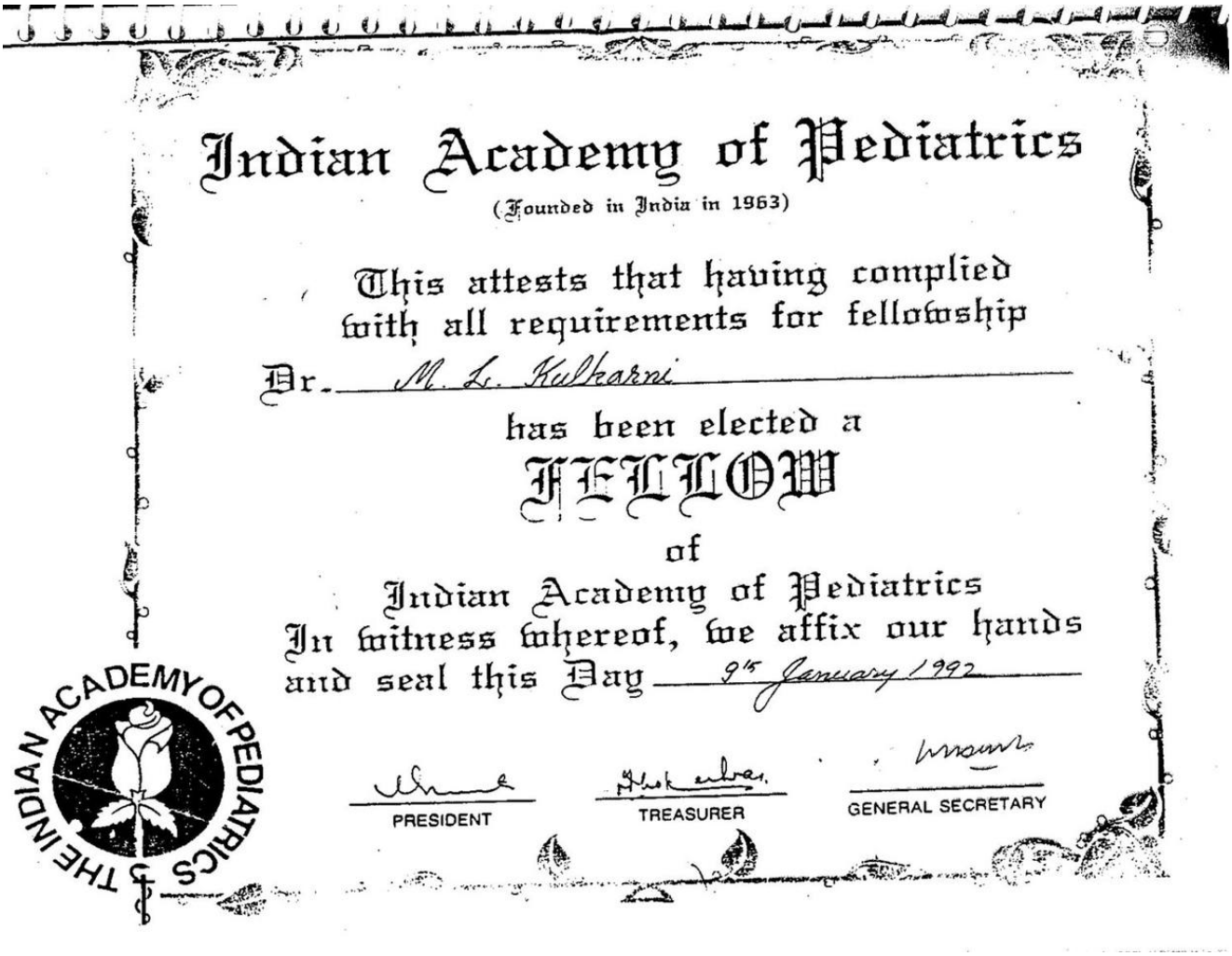
Best Teacher Award, RGUHS, 2002



Dr.prof.M.L.Kulkarni, receiving the Best Teacher Award from Rajiv Gandhi University of Health Sciences in the year 2002, from the Honorable Vice-chancellor Dr.Chandrashekara.

Photograph with the caption on the original page: “Dr. Prof. M. L. Kulkarni receiving the Best Teacher Award from Rajiv Gandhi University of Health Sciences in the year 2002, from the Honourable Vice-Chancellor Dr. Chandrashekara.” The handwritten heading reads “Best Teacher 2002, RGUHS, Bangalore”.

Fellowship of the Indian Academy of Pediatrics (FIAP)



Indian Academy of Pediatrics

(Founded in India in 1963)

This attests that having complied with all requirements for fellowship

Dr. M. L. Kulkarni

has been elected a

FELLOW

of

Indian Academy of Pediatrics

In witness whereof, we affix our hands and seal this Day 9th January 1992

PRESIDENT

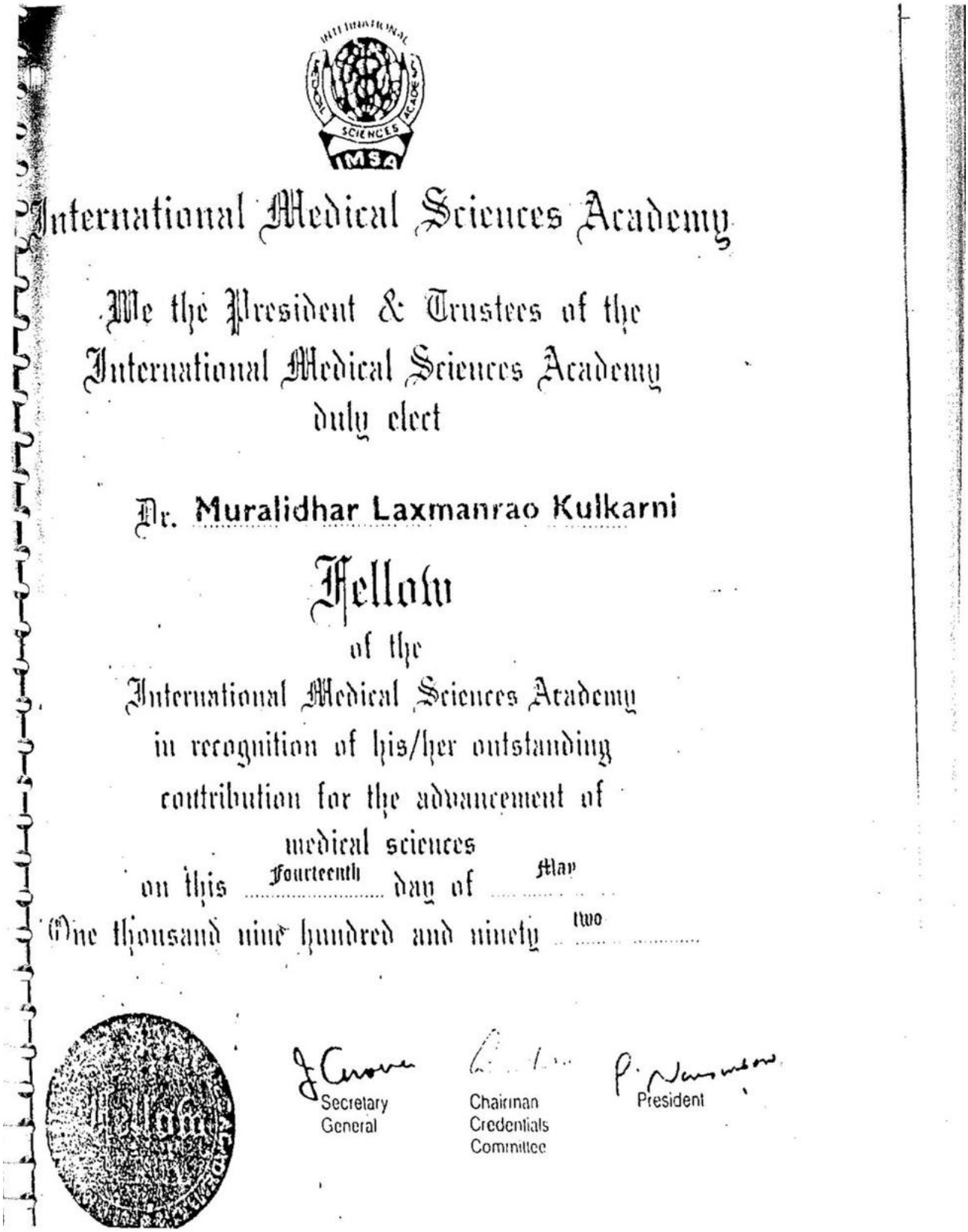
TREASURER

GENERAL SECRETARY

THE INDIAN ACADEMY OF PEDIATRICS

Indian Academy of Pediatrics — certificate attesting that Dr. M. L. Kulkarni has been elected a Fellow of the Indian Academy of Pediatrics, dated 2 January 1992.

Fellowship of the International Medical Sciences Academy (FIMSA)



International Medical Sciences Academy

We the President & Trustees of the International Medical Sciences Academy duly elect

Dr. Muralidhar Laxmanrao Kulkarni

Fellow

of the

International Medical Sciences Academy

in recognition of his/her outstanding contribution for the advancement of medical sciences

on this Fourteenth day of May

One thousand nine hundred and ninety two

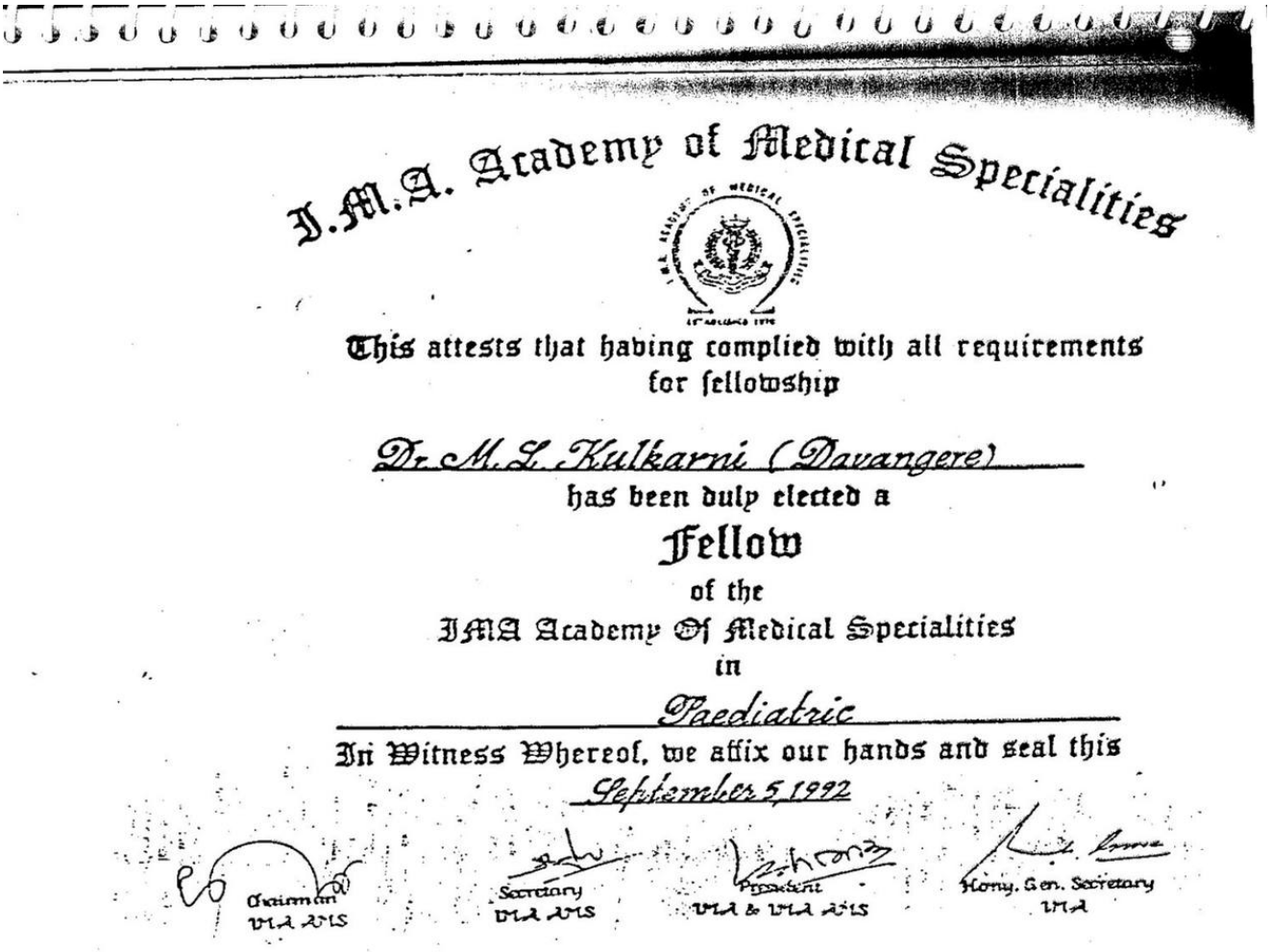
Secretary General

Chairman Credentials Committee

President

International Medical Sciences Academy — Dr. Muralidhar Laxmanrao Kulkarni duly elected Fellow in recognition of his outstanding contribution to the advancement of medical sciences, dated the fourteenth day of May, one thousand nine hundred and ninety-two.

Fellowship of the I.M.A. Academy of Medical Specialities (FIAMS)



I.M.A. Academy of Medical Specialities

This attests that having complied with all requirements for fellowship

Dr. M. L. Kulkarni (Davangere)

has been duly elected a

Fellow

of the

IMA Academy Of Medical Specialities

in

Paediatric

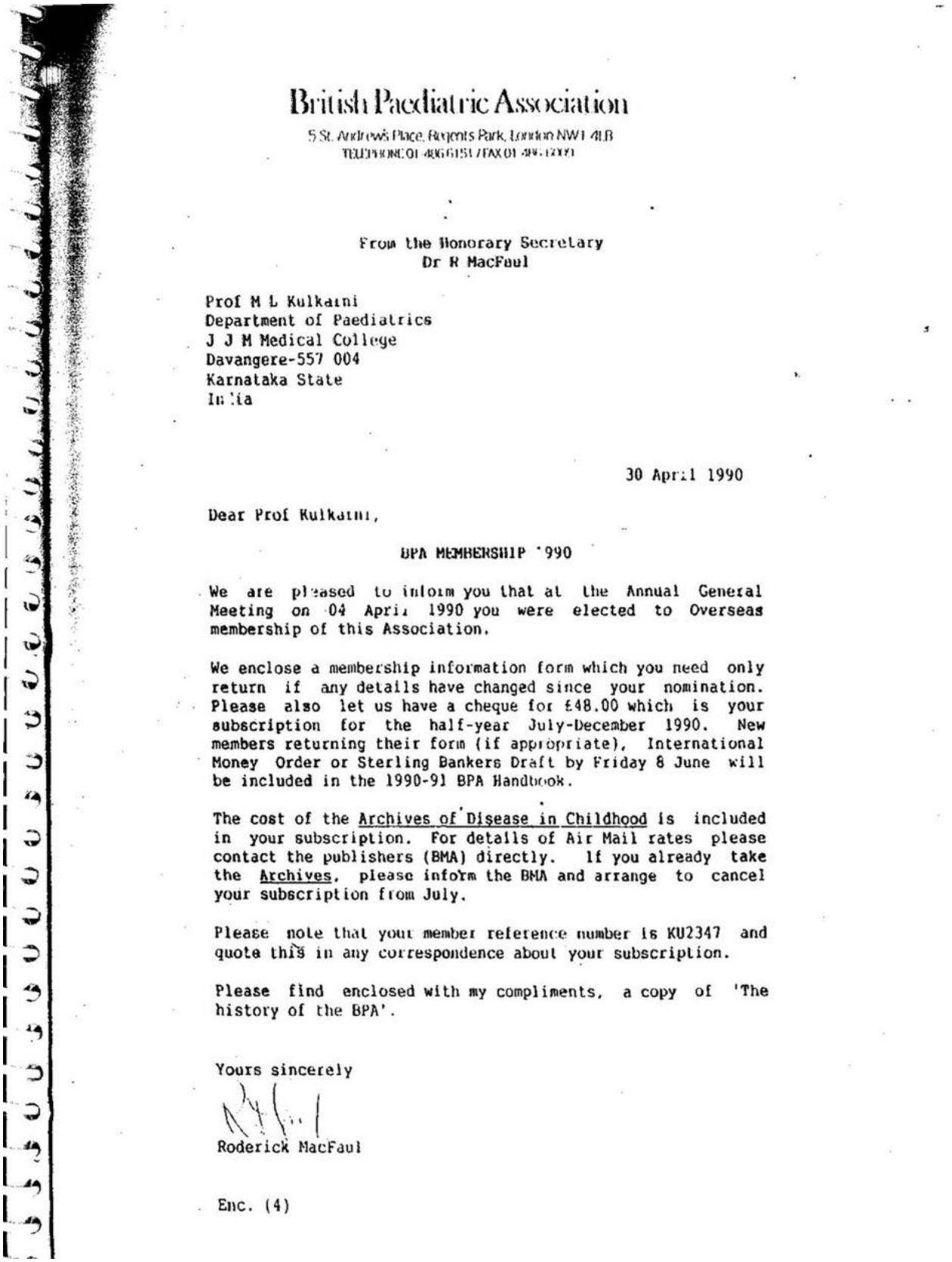
In Witness Whereof, we affix our hands and seal this

September 5, 1992

Chairman — Secretary — President — Hony. Gen. Secretary, IMA

I.M.A. Academy of Medical Specialities — certificate attesting that Dr. M. L. Kulkarni (Davangere) has been duly elected a Fellow of the IMA Academy of Medical Specialities in Paediatrics, dated September 1992.

British Paediatric Association — overseas membership, 1990



British Paediatric Association

5 St. Andrews Place, Regents Park, London NW1 4LB
TELEPHONE 01-486 6151 / FAX 01-[illegible]

From the Honorary Secretary
Dr R MacFaul

Prof M L Kulkarni
Department of Paediatrics
J J M Medical College
Davangere-557 004
Karnataka State
India

30 April 1990

Dear Prof Kulkarni,

BPA MEMBERSHIP 1990

We are pleased to inform you that at the Annual General Meeting on 04 April 1990 you were elected to Overseas membership of this Association.

We enclose a membership information form which you need only return if any details have changed since your nomination. Please also let us have a cheque for £48.00 which is your subscription for the half-year July-December 1990. New members returning their form (if appropriate), International Money Order or Sterling Bankers Draft by Friday 8 June will be included in the 1990-91 BPA Handbook.

The cost of the Archives of Disease in Childhood is included in your subscription. For details of Air Mail rates please contact the publishers (BMA) directly. If you already take the Archives, please inform the BMA and arrange to cancel your subscription from July.

Please note that your member reference number is KU2347 and quote this in any correspondence about your subscription.

Please find enclosed with my compliments, a copy of 'The history of the BPA'.

Yours sincerely

Roderick MacFaul

Enc. (4)

Letter from the Honorary Secretary, Dr. N. MacFaul, British Paediatric Association, London, 30 April 1990, informing Prof. M. L. Kulkarni of his election to overseas membership of the Association at the Annual General Meeting on 4 April 1990.

Royal College of Paediatrics and Child Health — Overseas Fellowship, 1997

Royal College of Paediatrics and Child Health

5 St. Andrews Place, Regent's Park, London NW1 4LB
Telephone 0171-486 6151 *Fax* 0171-486 6009

from
The President

11th July 1997

Overseas Fellowship of the Royal College of Paediatrics and Child Health

Dear Colleague

It is my great pleasure to inform you that Council has proposed you for election to Overseas Fellowship of the Royal College of Paediatrics and Child Health.

As an Overseas Fellow you will be authorised to use to use the title *Fellow of the Royal College of Paediatrics and Child Health*, and the designation *FRCPCH*.

In the near future you be invited formally to accept this honour and receive notification of the fellowship subscription fee which is an additional £37 50 pa, 25% less than that paid by Fellows resident in the United Kingdom

May I anticipate your acceptance and offer my congratulations on becoming a Foundation Overseas Fellow

With best wishes

Yours sincerely

David Baum

David Baum

REGISTERED CHARITY [illegible]

Letter from the President, Professor David Baum, Royal College of Paediatrics and Child Health, London, 11 July 1997, proposing Dr. Kulkarni for election to Overseas Fellowship of the College with the designation FRCPCH, as a Foundation Overseas Fellow.

West Midlands Regional Genetic Services — testimonial

West Midlands Regional Genetic Services

REGIONAL GENETIC LABORATORY &
CONSULTANCY SERVICES
Birmingham Heartlands Hospital
(East Birmingham Hospital)
Yardley Green Road
Birmingham
B9 5PX

Tel: 021-766-6611
ext: 2450
Fax: 021-766-5681

To whom it may concern:-

RE: DR M A KULKARNI

I am writing to certify that Dr Kulkarni was a visiting professor in my department, between December 1984 to June 1985. During this period, he was involved in all aspects of our work, to include the teaching of undergraduate students. On 22 February 1985, he gave a talk entitled "Pediatrics in India" as a part of the postgraduate seminar activities of the Regional Genetics Services of the West Midlands Region. This talk, as well as the other teaching and clinical work performed by Dr Kulkarni was very much appreciated.

Should you require any further information, please do not hesitate to contact me again.

Yours sincerely

Maj Hultén

Maj Hultén BSc PhD MB MD FRCPath
Clinical Director
Professor and Consultant in Cytogenetics

Testimonial from Maj Hultén, BSc PhD MB MD FRCPath, Clinical Director and Professor and Consultant in Cytogenetics, Regional Genetic Laboratory and Consultancy Services, Birmingham Heartlands Hospital, certifying that Dr. Kulkarni was a visiting professor in the department from December 1984 to June 1985, involved in undergraduate teaching and the postgraduate seminar activities of the Regional Genetics Services of the West Midlands Region, including a talk on 22 February 1985 entitled “Pediatrics in India”.

Testimonial — Dr. H. Bhujanga Rao, Goa Medical College

Dr. H. Bhujanga Rao, M.D.,
Professor and Head
Department of Pediatrics
Goa Medical College
Bambolim - 403202.
GOA.

Telephone : 4566
4567
6300
S.T.D. Code: 0832
PANAJI - 403 001
Goa.

Date: Jan.24th, 1994.

TESTIMONIAL

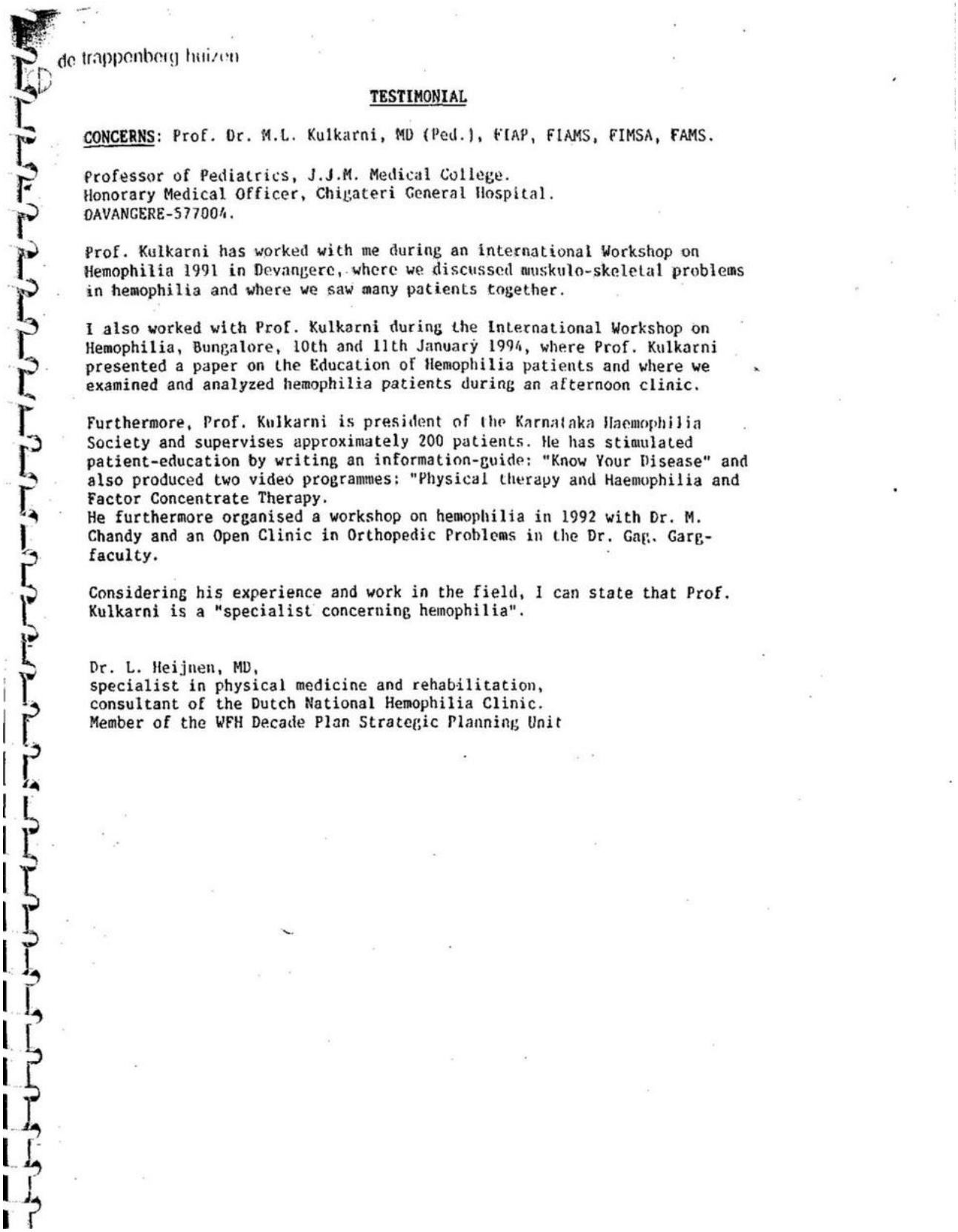
I had the privilege and pleasure of knowing Professor M. L. Kulkarni for the past eight years. He came to Goa Medical College as a visiting professor for several days in 1993. I also know him in various fora as a teacher at many continuing Medical Education programmes at various Medical Colleges and conferences of Goa Association of Pediatricians, Federation of Obstetritians and Gynaecologists of India, Indian Academy of Pediatrics and Indian Medical Association. We also worked together as postgraduate examiners at M.D. and DCH examination at Goa and Davangere etc.

His ability to teach at various levels, medical students, Postgraduate students and Residents, Medical College faculty, Private specialists and general practitioners is impressive. He distinguished himself in the fields of Genetics and others. He is an authority on Skeletal Dysplatias, the problems of consanguineous marriages, Hemophilia, congenital anamolies and Neural tube defects and in many other fields. That he is a dedicated and eminent teacher is beyond doubt. He carried out excellent research under adverse circumstances and at great personal sacrifice. I know that he invested generously his time, energy and money for Academic pursuits dear to his heart. He has won the esteem of his patients, students and professional colleagues. This makes him worthy of the honour as a distinguished teacher, physician and scientist. If there are more teachers with equal dedication, our country will be second to none in learning. I wish him many honours and a long and distinguished career.

(DR. H. BHUJANGA RAO)

Testimonial dated 24 January 1994 from Dr. H. Bhujanga Rao, M.D., Professor and Head, Department of Paediatrics, Goa Medical College, Bambolim, Goa, recording eight years' acquaintance with Prof. Kulkarni, his visiting professorship at Goa Medical College in 1993, his authority on skeletal dysplasias, consanguineous marriages, haemophilia, congenital anomalies and neural tube defects, and his work as examiner at M.D. and D.C.H. examinations at Goa and Davangere.

Testimonial — Dr. L. Heijnen, Dutch National Hemophilia Clinic



de trappenberg huizen

TESTIMONIAL

CONCERNS: Prof. Dr. M.L. Kulkarni, MD (Ped.), FIAP, FIAMS, FIMSA, FAMS.

Professor of Pediatrics, J.J.M. Medical College.
Honorary Medical Officer, Chigateri General Hospital.
DAVANGERE-577004.

Prof. Kulkarni has worked with me during an international Workshop on Hemophilia 1991 in Devangere, where we discussed muskulo-skeletal problems in hemophilia and where we saw many patients together.

I also worked with Prof. Kulkarni during the International Workshop on Hemophilia, Bungalore, 10th and 11th January 1994, where Prof. Kulkarni presented a paper on the Education of Hemophilia patients and where we examined and analyzed hemophilia patients during an afternoon clinic.

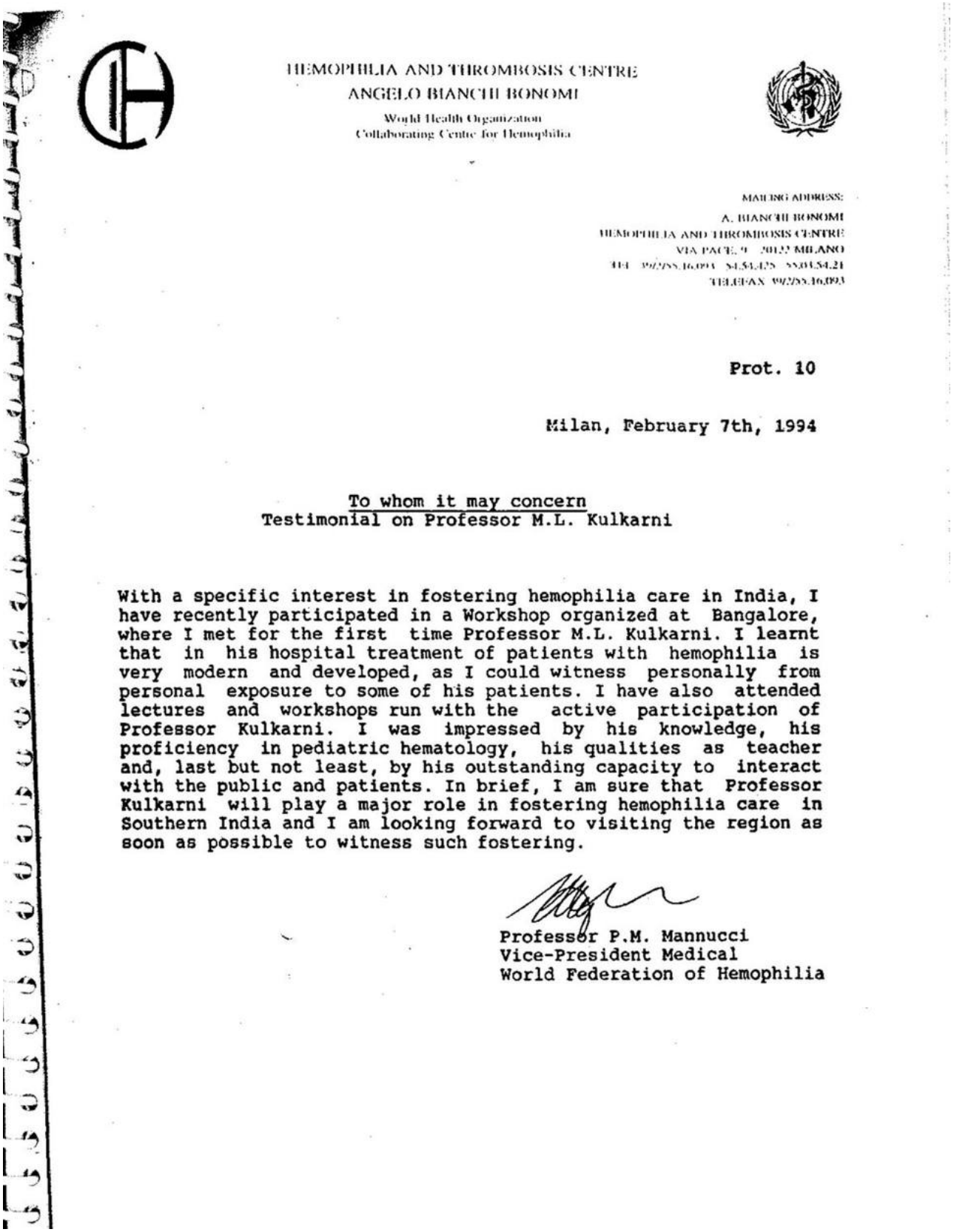
Furthermore, Prof. Kulkarni is president of the Karnataka Haemophilia Society and supervises approximately 200 patients. He has stimulated patient-education by writing an information-guide: "Know Your Disease" and also produced two video programmes: "Physical therapy and Haemophilia and Factor Concentrate Therapy.
He furthermore organised a workshop on hemophilia in 1992 with Dr. M. Chandy and an Open Clinic in Orthopedic Problems in the Dr. Gag. Garg-faculty.

Considering his experience and work in the field, I can state that Prof. Kulkarni is a "specialist concerning hemophilia".

Dr. L. Heijnen, MD,
specialist in physical medicine and rehabilitation,
consultant of the Dutch National Hemophilia Clinic.
Member of the WFH Decade Plan Strategic Planning Unit

Testimonial from Dr. L. Heijnen, M.D., specialist in physical medicine and rehabilitation, consultant of the Dutch National Hemophilia Clinic and member of the WFH Decade Plan Strategic Planning Unit, recording joint work at the International Workshop on Hemophilia at Davangere in 1991 and at Bangalore on 10 and 11 January 1994, Prof. Kulkarni's presidency of the Karnataka Hemophilia Society and supervision of approximately 200 patients, the information guide "Know Your Disease", the video programmes on physical therapy and factor concentrate therapy, and the 1992 haemophilia workshop with Dr. M. Chandy and Dr. Garg — concluding that Prof. Kulkarni is a specialist concerning haemophilia.

Testimonial — Professor P. M. Mannucci, World Federation of Hemophilia



HEMOPHILIA AND THROMBOSIS CENTRE
ANGELO BIANCHI BONOMI
World Health Organization
Collaborating Centre for Hemophilia

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TELEFAX 39/2/55.16.093

Prot. 10

Milan, February 7th, 1994

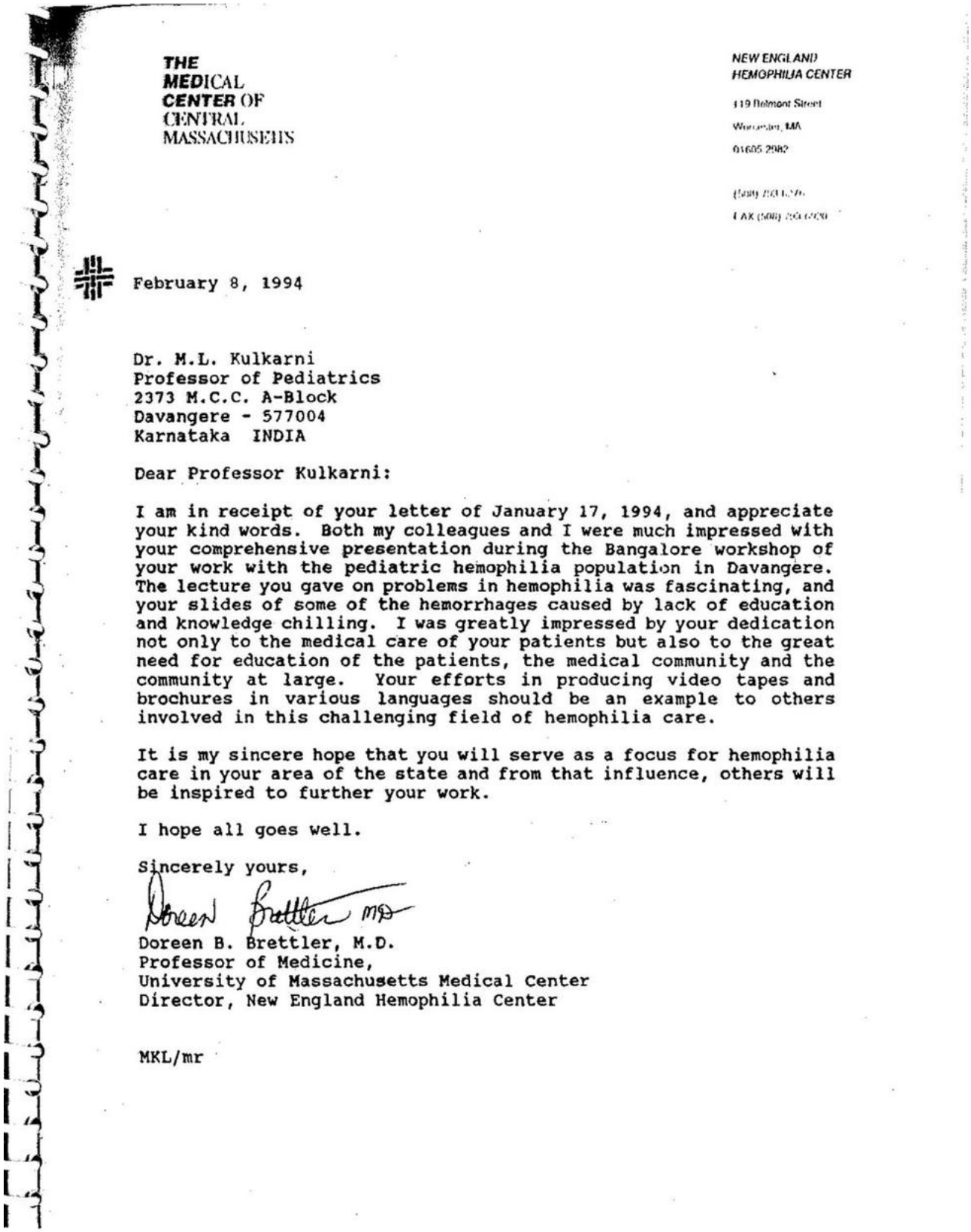
To whom it may concern
Testimonial on Professor M.L. Kulkarni

With a specific interest in fostering hemophilia care in India, I have recently participated in a Workshop organized at Bangalore, where I met for the first time Professor M.L. Kulkarni. I learnt that in his hospital treatment of patients with hemophilia is very modern and developed, as I could witness personally from personal exposure to some of his patients. I have also attended lectures and workshops run with the active participation of Professor Kulkarni. I was impressed by his knowledge, his proficiency in pediatric hematology, his qualities as teacher and, last but not least, by his outstanding capacity to interact with the public and patients. In brief, I am sure that Professor Kulkarni will play a major role in fostering hemophilia care in Southern India and I am looking forward to visiting the region as soon as possible to witness such fostering.

Professor P.M. Mannucci
Vice-President Medical
World Federation of Hemophilia

Testimonial dated Milan, 7 February 1994, from Professor P. M. Mannucci, Vice-President of the World Federation of Hemophilia, Hemophilia and Thrombosis Centre Angelo Bianchi Bonomi (WHO Collaborating Centre for Hemophilia), recording their work together at the Bangalore workshop of January 1994 and Prof. Kulkarni's proficiency in paediatric haematology, his qualities as a teacher and his capacity to interact with the public and with patients.

Testimonial — Dr. Doreen B. Brettler, New England Hemophilia Center



THE MEDICAL CENTER OF CENTRAL MASSACHUSETTS

NEW ENGLAND HEMOPHILIA CENTER
119 Belmont Street
Worcester, MA
01605-2982
(508) 793-6170
FAX (508) 793-6720

February 8, 1994

Dr. M.L. Kulkarni
Professor of Pediatrics
2373 M.C.C. A-Block
Davangere - 577004
Karnataka INDIA

Dear Professor Kulkarni:

I am in receipt of your letter of January 17, 1994, and appreciate your kind words. Both my colleagues and I were much impressed with your comprehensive presentation during the Bangalore workshop of your work with the pediatric hemophilia population in Davangere. The lecture you gave on problems in hemophilia was fascinating, and your slides of some of the hemorrhages caused by lack of education and knowledge chilling. I was greatly impressed by your dedication not only to the medical care of your patients but also to the great need for education of the patients, the medical community and the community at large. Your efforts in producing video tapes and brochures in various languages should be an example to others involved in this challenging field of hemophilia care.

It is my sincere hope that you will serve as a focus for hemophilia care in your area of the state and from that influence, others will be inspired to further your work.

I hope all goes well.

Sincerely yours,

Doreen Brettler MD

Doreen B. Brettler, M.D.
Professor of Medicine,
University of Massachusetts Medical Center
Director, New England Hemophilia Center

MKL/mr

Letter dated 8 February 1994 from Doreen B. Brettler, M.D., Professor of Medicine, University of Massachusetts Medical Center, and Director of the New England Hemophilia Center, acknowledging Dr. Kulkarni's letter of 17 January 1994 and praising his presentation on the haemophilia population in Davangere at the Bangalore workshop, his education of patients, his use of video tapes and brochures in various languages, and his dedication to haemophilia care.

PART VI

Community and institutional work; impact of publications

Nutrition rehabilitation, diarrhoea treatment and training, the Baby Friendly Hospital Initiative, immunization and ICDS, with the supporting correspondence and press cuttings (original pages 64–99).

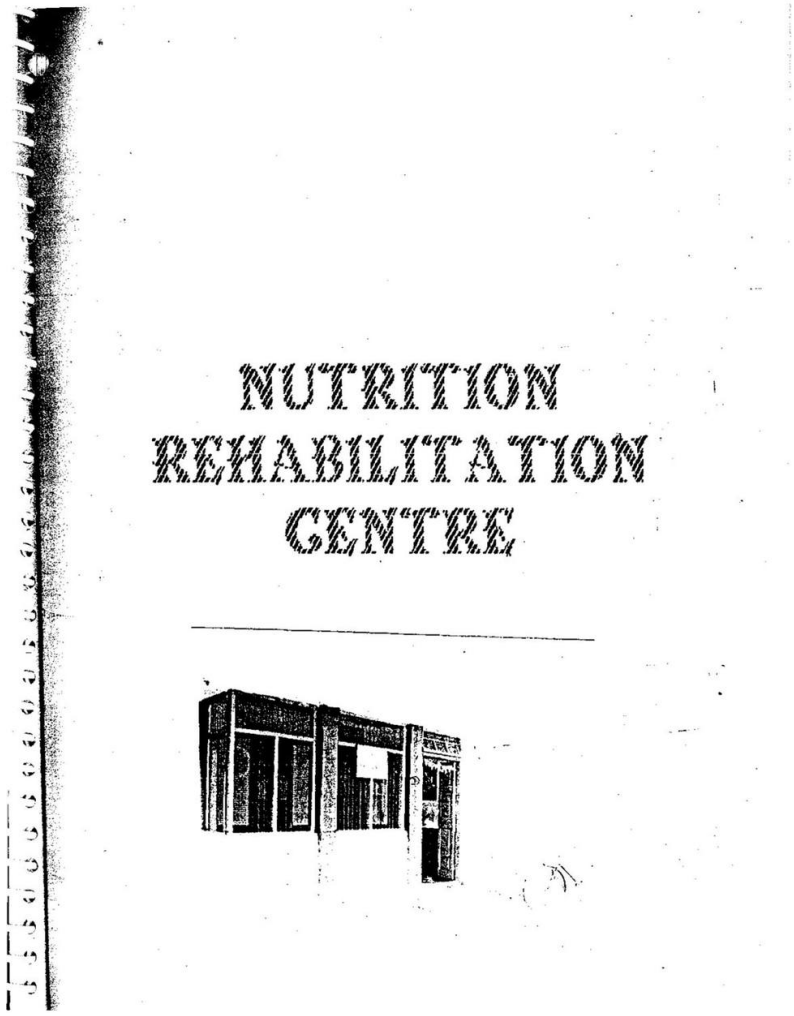
Nutritional Rehabilitation Centre (Residential)

The NRC of Davangere is one of the two centres in the whole of the country. The centre was started in the year 1979 as a part of the activities for the International Year of the Child. The main activity of the centre has been educating the mothers of malnourished children in feeding their children back to health. The centre also acts as a focus of education in nutrition for medical students (undergraduate and postgraduate), paramedical personnel, anganwadi workers, Rural Balasevika Trainees (RBST), ICDS workers and school teachers.

Dr. M. L. Kulkarni has been actively involved in taking students (UG and PG), paramedical staff and school teachers to the NRC and teaching them the objective of the centre and its method of running. Clinical demonstrations are held regularly for learning diet calculations. A museum of foodstuffs and their values has been established in the centre. The centre has been doing excellent work till date under the leadership of Dr. M. L. Kulkarni with the cooperation of his colleagues.

A research project entitled “Impact of Nutritional Rehabilitation — 1 year study” was presented at the national conference of the Indian Academy of Pediatrics at Madras during 1987, and further the same work was published in *Indian Pediatrics* 1986; 23: 867. The work done by the NRC at Davangere has been appreciated by many visitors from India and abroad. Many studies on nutrition are in progress.

Section divider sheet (original page 64)



Divider sheet in the original file, headed “Nutrition Rehabilitation Centre”, with a photograph of the centre building.

Published article on the centre — page 1 (original page 66)



NUTRITION REHABILITATION CENTRE OF DAVANGERE

Dr. M. L. KULKARNI, M. D.,
Assistant Professor of Paediatrics

Nutritional Rehabilitation is a novel concept in the management of Protein energy malnutrition. The original idea of Nutritional Rehabilitation came from Dr. Bengoa of South America. It is a matter of great pride that the Nutritional Rehabilitation Centre of Davangere is one of the only two Nutritional Rehabilitation Centres functioning in the whole of country; the other being at Madurai, Tamil Nadu.

The high prevelence of protein energy malnutrition in and around the city of Davangere and a high recurrence rate of PEM among children treated and discharged from the hospital convinced our Professor Dr. Nirmala Kesaree, the need for having a NRC attached to Chigateri General Hospital of Davangere. We started our NRC on Ugadi of the Year 1979, as a part of our activity for the International Year of the Child. The old kitchen block of Chigateri General Hospital was sanctioned for the purpose.

There are mainly three types of services available to combat malnutrition in the community (i) Treatment in the hospital (ii) Treatment on an ambulatory basis and (iii) Treatment in the Nutritional Rehabilitation Centre. Out of these methods, treatment in the Nutritionl Rehabilitation Centre has obvious advantages This type of management is some what between preventive and curative type of treatment.

A popular Chinees proverb says, "Give a man a fish, you feed him for a day. Teach a man to fish, you feed him for life".

"Nutrition Rehabilitation Centre of Davangere" by Dr. M. L. Kulkarni, M.D., then Assistant Professor of Paediatrics — opening page of the published article, with the author's photograph.

Published article — continuation (original page 67)

nsible for their children's ery from malnutrition.

Doctors from the Paediatric Department attend to the health problems of children in addition to overall supervision of the centre's work. A museum by the side keeps young doctors reminding of the nutritive value of various foodstuffs. During the afternoon hours House surgeons and Post graduates talk to the mothers about Nutrition and Health. Children have plenty of place, time and toys to play. In the evening hours when the Health worker goes home, one of the Senior mothers will be incharge of the centre's activity.

At a time there are about 10-12 malnourished children in the centre along with their mothers. The average stay of a child in NRC varies from 2-3 weeks. Once the children are discharged from NRC they come for regular check up every fortnight at Paediatric out-patient. The weights of children are plotted on a growth chart and mothers encouraged to continue proper feeding at home during these followup visits.

This type of service at NRC has many advantages. There is early and complete recovery thus reducing the length of hospital stay. Cost wise it costs only one tenth of what is spent for traditional treatment of malnourished child in a hospital. There is ample opportunity for educating mothers and reducing the risk of recurrence of malnutrition. The paramedical and medical people working in the centre get a practical knowledge about nutrition. We have had opportunity to educate a few batches of Anganwadi workers, Rural Balsevika Trainees, Older school children & School teachers at our centre. The mother who goes home after her discharge from the centre, talks about her experiences in the centre to her family members & neighbours; thus infuencing the community at large. We are very hopeful that this type of service at NRC will improve the long term results of treatment of malnutrition.



N.R.C. & Its Activities

Two further pages of the same article, illustrated with photographs of the centre and of feeding demonstrations.

Published article — continuation (original page 68)

Nutritional Rehabilitation is a good illustration of this philosophy. This proverb if paraphrased in reference to malnutrition. "Give a child a meal and you relieve his immediate hunger. Teach his mother to feed him well and this will benefit him for years. It will also help the rest of his family and possibly neighbours and the community at large". The hospital type of treatment forgets this important aspect of health education in the management of PEM. Therefore the long term results are very disappointing though the immediate response may be good.

Nutritional Rehabilitation is a practical nutrition training in which a group of mothers learn by feeding their malnourished children back to health using a suitably prepared diet of locally available cheap foods.

There are mainly two types of NRC (a) Day care centre: which is suitable for a small village or an urban community, where in 20-40 malnourished children alongwith their mothers are involved in the various activities of the centre everyday from 8 a.m. to 6 p.m. (b) Residential NRC: This type is suitable for a large urban community or for many villages. Here the mothers with their malnourished children reside in the NRC. Residential type of NRC is always attached to an underfive clinic or to a Paediatric teaching hospital.

Our centre is of Residential type. Here the mothers with their malnourished children are admitted, once the acute problems of PEM are controlled and the child is showing signs of improvement.

The plan of suitable facilities available at our centre is shown in the Fig. 1.

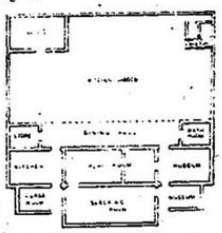


Fig.1 Plan of NRC

Here it is worth emphasising that the concept of Nutritional Rehabilitation is more important than the facilities given in the centre. The village methods of preparing food like use of flat milling stones for grinding the grains, flat baskets for clearing the husk from grains, cooking on mudfireplace and use of earthen potteries or aluminium vessels for cooking purpose are adopted. During night time the mothers sleep on the floor with their children, as they do in their own homes. This appears to them more real and they feel more at home; so that there is higher success rate of continuing the same sort of practice at home once they are discharged from the centre.

The mothers prepare a multimix what we call it as "DAVANGERE MIX", using equal quantity of Vaddaragi hittu (Ragi is soaked previous night and dried and powdered & husk removed next day), Roasted Bengal gram powder, Roasted groundnut powder and Jaggery. This preparation is given to children morning and evening as a snack. It is highly delicious and provides 14 G of protein and 400 calories per half of 100 gm.

Mothers also cook Ragi gruel and Dal with lot of green vegetables in it. The greenleafy vegetables are grown in the kitchen garden which supply adequate amounts of vitamine A & Iron to these malnushed children. Mothers also use vegetable oil in cooking to provide adequate calories and essential fatty acids to children.

The activity of the centre starts early in the morning with a prayer to Lord Ganesh. Children are taught simple personal hygine like brushing teeth and bathing everyday. After the prayer they have their breakfast consisting of Davangere mix and Ragi gruel. The health worker of our centre, in addition to supervising all these activities takes the responsibility of teaching school lessons to older children in the centre. The mothers in addition to cooking and feeding their children maintain the cleanliness of the centre and work in the kitchen garden to grow green leafy vegetables. They assist health worker in buying food stuffs and fuel from local market. Thus mothers have a practical nutritional and health education.

Children in the centre are fed at least five times a day so that they get sufficient quantity of food. Children are fed in groups so that their consumption improves. The early difficulties of anorexia, nausea and vomiting are overcome by persistance and persuation. In this the senior mothers reassure the junior mothers. We avoid the use of multivitamine and Iron tablets to impress the mothers that it was only the proper feeding that was

Concluding pages of the same article, with the figure comparing hospital, ambulatory and rehabilitation-centre management of malnutrition.

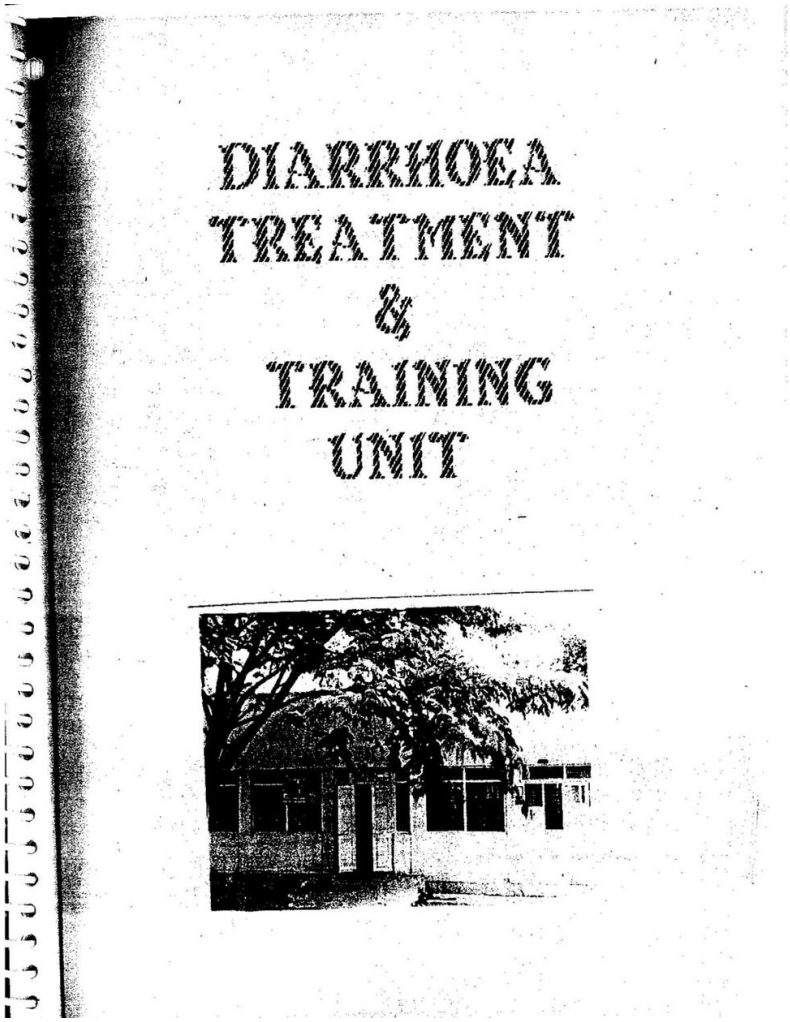
Diarrhoea Training and Treatment Unit (DTTU)

The DTTU was started in January 1980, attached to J.J.M. Medical College, Davangere, and has been doing excellent work under the guidance of Dr. M. L. Kulkarni, Professor & Head, Department of Paediatrics. The centre has been recognised by the World Health Organization and has been further recognised as a National Teachers Training Centre in diarrhoeal illness. It is one of only two in the country, the other being Kalavati Saran Hospital, New Delhi.

Two batches of 20 each of senior professors in paediatrics from all over India were trained at the centre. Dr. M. L. Kulkarni is involved in taking students (UG and PG), paramedical staff and anganwadi workers to the diarrhoea centre for teaching the rational management of diarrhoeal illness. The diarrhoeal mortality that was 15% in 1978 has been brought down to 0.45% in the year 1994, due to the activity of this centre with emphasis on ORS.

During 1993 a total of 1,896 cases were treated (86.25% acute watery diarrhoea, 8.22% dysentery and 3.58% persistent diarrhoea); 78% were managed with ORT and 21% were managed with IV and ORT; 8.4% received antibiotics and mortality was 0.45%.

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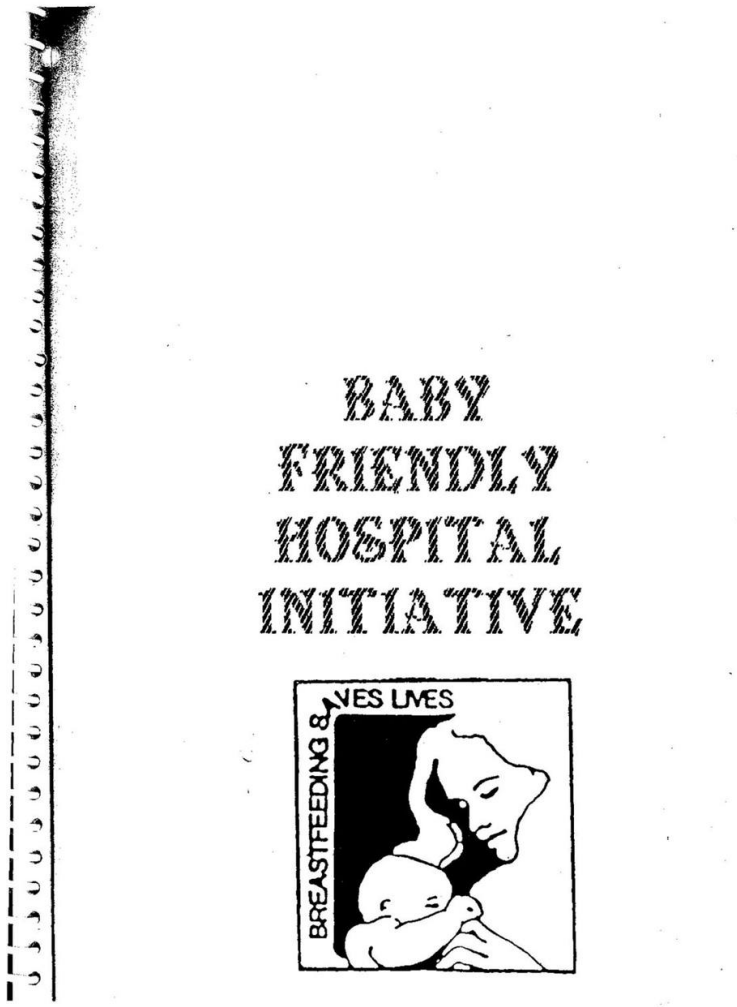


Divider sheet headed “Diarrhoea Treatment & Training Unit”, with a photograph of the unit.

Baby Friendly Hospital

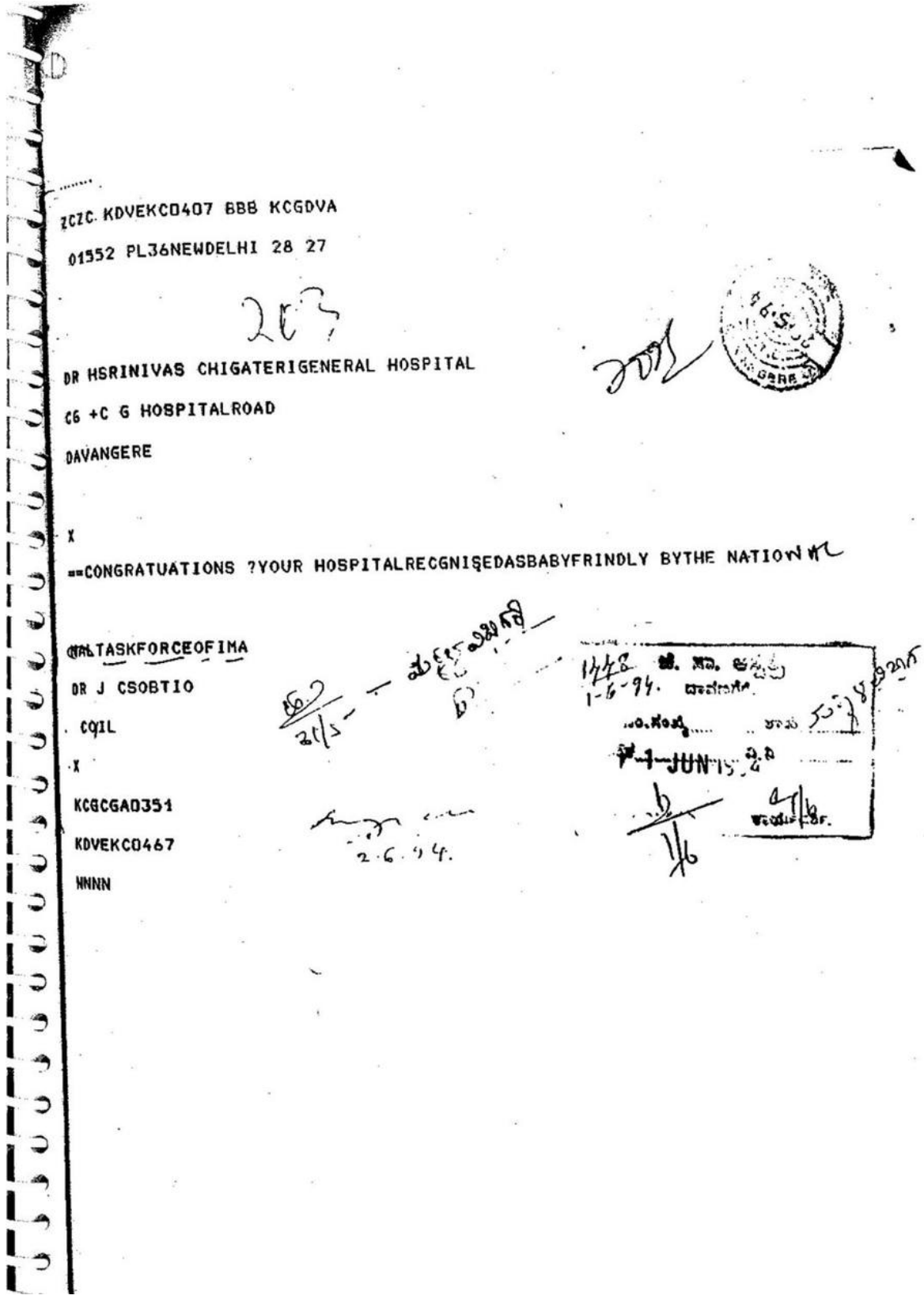
Dr. M. L. Kulkarni, Professor & Head, Department of Paediatrics, J.J.M. Medical College, Davangere, along with his colleagues, trained faculty members of Paediatrics, OBG and Community Medicine, nurses and students in lactation management. Bapuji Hospital and Chigateri General Hospital, attached to J.J.M. Medical College, have been recognised as Baby Friendly Hospitals by the National Task Force of IMA. The message of proper lactation management — with special emphasis on avoiding prelacteal feeds, exclusive breastfeeding up to 6 months, introduction of safe and hygienic weaning foods, and continuation of breastfeeding into the second year of life of the child — has been spread far and wide by the team led by Dr. M. L. Kulkarni.

Section divider sheet (original page 71)



Divider sheet headed “Baby Friendly Hospital Initiative”, with the BFHI emblem.

Telegram of recognition (original page 73)



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DR HSRINIVAS CHIGATERIGENERAL HOSPITAL

C6 +C G HOSPITALROAD

DAVANGERE

X

==CONGRATUATIONS ?YOUR HOSPITALRECGNISEDASBABYFRINDLY BYTHE NATIONAL

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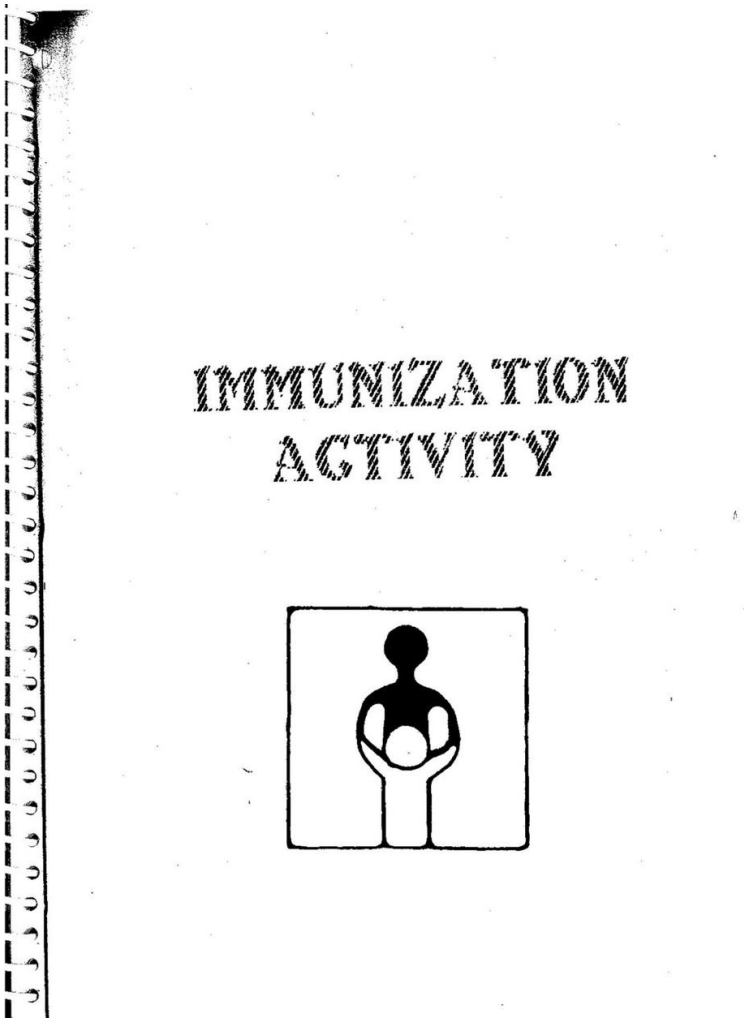
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Telegram addressed to Chigateri General Hospital, Davangere, congratulating the hospital on its recognition as Baby Friendly by the National Task Force of IMA, with the receiving office stamps of June 1994.

Immunization activities

Prof. M. L. Kulkarni was a district level co-ordinator for the Universal Immunization Programme (UIP) during 1986–87, wherein he organised several reorientation programmes for doctors and paramedical personnel. With his team he has conducted immunization surveys by the cluster method in the districts of Bellary and Dharwad. Several pamphlets were published, in addition to short articles in the lay press for educating the community.

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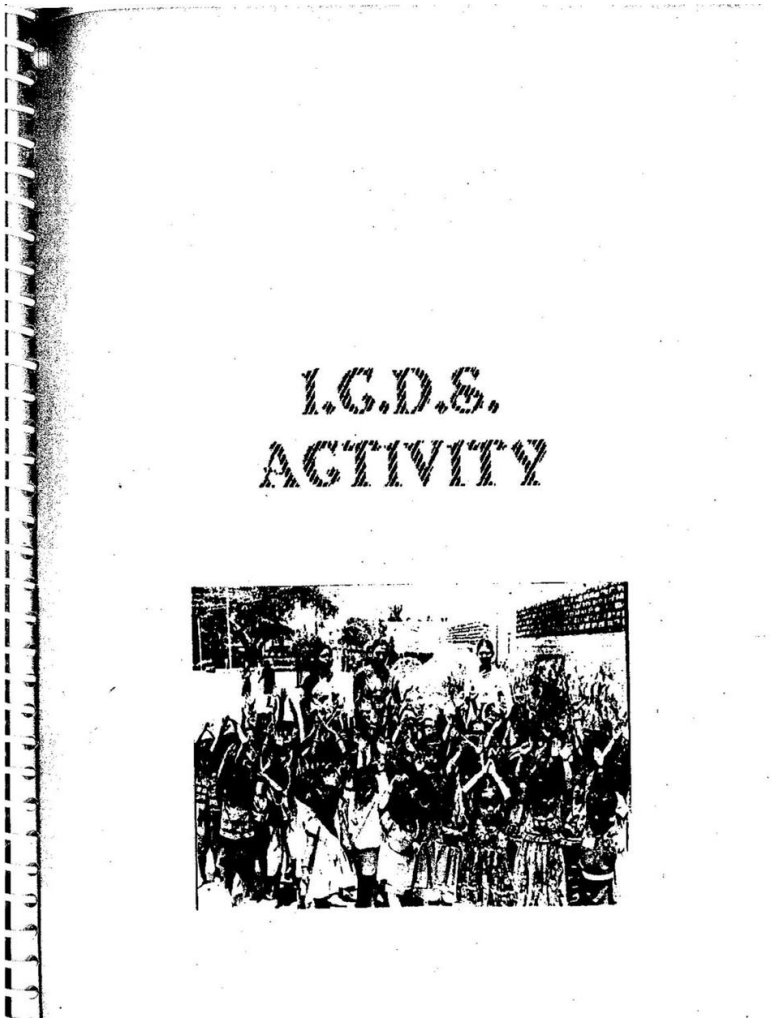
Divider sheet headed “Immunization Activity”.

Integrated Child Development Scheme (ICDS)

Though Dr. M. L. Kulkarni is not officially designated as an ICDS consultant, his work is well known in this area. He has taken his medical students (UG and PG) to various anganwadi centres to teach them about the objectives and functioning of ICDS. He has given several talks to anganwadi workers, mukhya sevikas and Community Development Programme Officers (CDPO) about various preventable paediatric ailments. His research work on the impact of ICDS has been published in *Indian Practitioner* 1991; XLII (9): 687–690.

Social services. He has been closely associated with the local Lions Club, Rotary Club and Jaycees Club in conducting health camps, immunization camps and health education sessions.

Section divider sheet (original page 76)



Divider sheet headed “I.C.D.S. Activity”.

ICDS research paper — page 1 (original page 78)

Original Article

Evaluation of Effectiveness of ICDS In 7 Anganwadi Centres On The Health Status Of Pre-school Children

Kulkarni M.L.* Pattabhi Y.N.**

SUMMARY

Effect of the ICDS scheme on nutritional status was seen only in children of severe malnutrition. The immunization status showed marginal improvement at the end of the study. High prevalence of vitamin A deficiency and anaemia were noted.

KEY WORDS

Integrated Child Development Services, Anganwadi Workers, Anganwadi Centres.

INTRODUCTION

Various studies from different parts of India have noticed the effectiveness of ICDS scheme on the health status of pre-school children. Though the ICDS programme is operating in Karnataka since 1975, there have been only few studies.[1] At the time of this study, i.e., between July 1985 and July 1986, ICDS Programme was operating in Karnataka in 81 rural blocks and 5 urban centres. The evaluation of certain aspects of their functioning like supplementary nutrition, prophylactic vitamin A, iron and folic acid, immunization and its impact on the health status of these pre-school children are important. The present study is a longitudinal study for a period of one year to evaluate the above said component of ICDS scheme.

MATERIAL AND METHODS

ICDS is operative in our Davangere Block, Karnataka since 1977. Seven Anganwadi Centres around Davangere were selected on random basis for the purpose of this study. Total of 547 pre-school children who were enrolled for the supplementary nutrition and non formal education were studied. The parents were contacted to assess the socio-economic status and immunization status of the child. The age of the child was determined largely by looking into the birth register maintained by Anganwadi workers. Weight was recorded by using UNICEF spring scale (Salter model). Each child was examined clinically and the findings were recorded. Follow-up Visits to each centre was made once in every six weeks. Regular weighing was done at each visit and the nutritional status was graded according to Indian Academy of Paediatrics Classification. Prevalence of various remediable diseases were also noted at each visit. The data was collected for a period of twelve calendar months. During each visit therapeutic and prophylactic coverage regarding vitamin A, B-complex, iron and folic acid, and total number of days the supplementary food and immunization received by each child were also noted. 483 children out of 547

*Professor, **Resident. Department of Pediatrics J.J.M.Medical college, Davangere - 577 004 Karnataka.

"Evaluation of Effectiveness of ICDS in 7 Anganwadi Centres on the Health Status of Pre-school Children" — original article reprint from *The Indian Practitioner*, September 1991, opening page with summary and introduction.

children could be followed up for a period of one year from July 1985 to July 1986 and results were analysed.

RESULTS

The main beneficiaries of our study group belonged to lower socio-economic status. The nutritional status in the beginning and end of the study period are shown in Table I.

Healthy children constituted only 16.2 and 14.5 per cent at the beginning and at the end of the study respectively. Grade III and IV malnutrition was found in 9.3 and 3.9 per cent of the children from the beginning to the end of the study, respectively. The number of children belonging to Grade I and II malnutrition were 74% initially and 80% at the end of the study. Total of 51 children

Table I
Number of healthy and malnourished children at the beginning and at the end of study

Nutritional satus	Children at the beginning of study		Children at the end of study	
	No.	Per cent	No.	Per cent
Healthy	89	16.20	70	14.50
PEM Gr.I	203	37.10	192	39.70
PEM Gr. II	204	37.29	202	41.80
PEM Gr. III	48	8.80	19	3.90
PEM Gr. IV	3	0.5	—	—
Total	547		483	

Table II
Immunisation status according to age

Age group in years	No. of children	Beginning of the study (all three doses)			End of the study (all three doses)		
		BCG	Polio	DPT	BCG	Polio	DPT
1 – 2	10	3 30%	3 30%	3 30%	4 40%	5 50%	5 50%
2 – 3	62	20 32%	28 45%	34 54%	35 56%	38 61.29%	48 77%
3 – 4	164	86 51.4%	102 62%	120 73%	102 62.1%	118 71.95%	135 82%
4 – 5	210	99 47%	130 61.1%	170 80%	110 52%	142 67.6%	182 86%
5 – 6	37	20 54%	24 64.8%	27 72%	20 54%	24 64.87%	27 72%
Total	483	205 42.4%	267 59.4%	354 73.3%	271 56.1%	327 67.7%	397 82.19%

Continuation of the same reprint, with the tables of morbidity and nutritional status of the children studied.

out of 547 were having severe malnutrition initially. During one year follow-up, of these children, two died (3.9%) and 3 (5.9%) children left the centre. Only 15 (29.4%) of 54 severely malnourished children continued to be in this state at the conclusion of the study.

The status of BCG, Polio and DPT (all three doses) improved from 42.4 to 56 per cent, 59 to 67 per cent and 73 to 82 per cent respectively from the beginning of the study to the end of the study and this is shown in Table II.

Vitamin A deficiency signs, pallor, angular stomatitis, scabies, pyoderma, otorrhoea initially, and at the end of the study, and are shown in Table III.

Table III
Prevalence of Illness %

Illnesses	Beginning of the study	End of the study
Vitamin A deficiency	7.2	3.1
Scabies	4.5	4.9
Pyoderma	4.7	3.9
Otorrhoea	2.5	2.9
Conjunctivitis	1.8	2.2
Angular stomatitis	9.1	7.2
Pallor	30.8	22.3

Prophylactic and therapeutic coverage for vitamin A, iron and folic acid and B-complex during this period was 85.92, 23.18 and 8.67 per cent respectively.

DISCUSSION

Healthy children constituted only 16.2% at the beginning of the study. Even after one year of supplementary food they formed only 14.5%. The number of normal children in our study were far less than the survey conducted by various other authors. In the study conducted by Sunderlal, et al.[2], normal children were 34 and 34.6 per cent at the baseline and after 3 years respectively. Normal children were 25.1 and 27.2 baseline and repeat survey after one year in the study conducted by Patel and Udani.[3] The total number of healthy children after one year remained almost same as in our present study. In the present study, majority of children were belonging to Grade I and II malnutrition. They were 74 and 80 per cent at beginning of the study and at the end of the study respectively. The possible reasons for not seeing much change in the nutritional status of these children were that most of our study subjects were mainly of lower socio-economic group. These children received supplementary food for only 150 to 200 days as against 300 days advocated in ICDS scheme and the supplementary food meant to supply 300 KCal may be inadequate to bridge the deficit intake. This has been clearly shown by longitudinal study by Manjrekar, et al.[4] This intake is very much inadequate in children of our state who are already marginally malnourished due to the famine that is prevailing in this state for the previous 4 successive years. Significant improvement in the nutritional status of severely malnourished children of the present study was mainly because of skilful utilization of nutritional component of ICDS services. These children were given the usual recipes prepared at the centre, in addition to ready to eat snack. Thus providing around 580 calories and 22 grams of protein/day. This is almost half of the daily requirement of a preschool child. Bhandari, et al[5] also ob-

Continuation of the same reprint, with further tables and the discussion.

ICDS research paper — page 4 (original page 81)

served significant improvement in severely malnourished children due to special attention given at the centre.

There was only a marginal improvement in the immunization status. Immunization status improved for BCG from 42 to 56 per cent, for Polio 59 to 67 per cent and for DPT 73 to 82 per cent. Bhandari, et al[6] also did not observe much improvement in immunization status over one year period in their ICDS block. Improvement in their study was 25.35% to 27.9% for BCG, 44.29% to 52.4% for DPT. We would expect nearly 100% coverage in our study group since these children are attending Anganwadi Centre for non-formal education and supplementary nutrition and they are easily accessible group for immunization. Some of the reasons for poor coverage were irregular supply of vaccine during the study period, unpleasant experience the community had because of unsterile methods used during mass immunization during that period, poor knowledge of the Anganwadi workers and supervisors regarding the immunization schedule and paucity of active involvement of the health department.

Pallor was noted in 30 and 20 per cent of children during the beginning and end of the study respectively. This is comparable to 27.3 per cent noted by Gupta, et al[7] in non-ICDS group. When magnitude of problem is of such an extent the coverage with iron and folic acid was only 23 per cent. Vitamin A coverage was 86 per cent which helped in bringing down the vitamin A deficiency from 7.24 to 3.1 per cent. There was little change in the prevalence of angular stomatitis, skin infections like scabies and pyoderma over one year period. The paucity of active involvement of health department and wrong concept among people that Anganwadi Centres are places of feeding and schooling might be the reasons for the little impact on remediable disorders.

REFERENCES

1. Tandon B.N., Ramachandran K., Bhatnagar S.,: Integrated child development services in India - Evaluation of the delivery of nutritional and health services and the effect on the nutritional status of children. Indian J Med Res 1981; 73: 365-94.
2. Sunderlal. Better Primary Health care services Utilization through ICDS Scheme in Haryana. Indian J Pediatr 1980; 47: 293-6.
3. Patel R.B., Udani R.H., Impact of ICDS on pre-schoolers of Urban slum. Indian J Pediatr 1982; 49: 215-18.
4. Manjrekar C., Leelavathi K., Saraswathi A., Sujanalaxmi A.N., Katyayani V., Evaluation of the special nutrition programme in Mysore city. Indian J Med Res 1986; 83: 404-7.
5. Bhandari B., Chhaparwal R., Mandowara S.L., Outcome of children with severe grade of PEM in an ICDS block. Indian J Pediatr 1981; 49: 289-92.
6. Bhandari B., Nagori G., Mandowara S.L., Nutritional and Immunization status of children in an ICDS Block. Indian J Pediatr 1981; 18: 187-91.
7. Gupta S.B., Srivastava B.C., Bhushan V., Sharma P., Impact of Integrated Child development services in Uttar Pradesh. Indian J Med Res 1984; 79: 363-72.

Final page of the same reprint, with conclusions and references.

Impact of publications

Many of the publications had a great impact on policy makers and the public alike. The notable ones are:

1. His paper entitled “Colourings, flavourings and sugars in children’s medicine in India”, published in the *British Medical Journal* 1993; 307: 737, drew the attention of the Drugs Controller of India and the Director of International Health, Ministry of Health and Family Welfare, India, New Delhi, both of whom have appreciated his work. A copy of the letters from both dignitaries is attached.

2. His paper on “School bag — a potential killer”, published in *Indian Pediatrics* 1990; 27: 91, made a sensation all over the country and was covered by almost all national newspapers and several magazines. Many editorials were written on his paper supporting Prof. M. L. Kulkarni’s view condemning heavy school bags for young children, which are not only a physical burden but also a mental one for tiny tots.

3. The paper on consanguinity and its effect on foetal growth and development, presented by Prof. M. L. Kulkarni at the National Pediatric Conference at Jodhpur in the year 1988, was covered by PTI in many newspapers, thus spreading the message of the ill effects of consanguineous marriages.

4. Presently he is conducting research on periconceptional folic acid therapy in the prevention of neural tube defects.

5. Dr. Kulkarni’s research on consanguinity and its effect on foetal growth and development was appreciated by the News Services Division, All India Radio, New Delhi, and was broadcast on the national channel. The Joint Director of News, New Delhi, requested him to contribute scripts on research to be broadcast during the Spotlight programme on the national channel.

6. Some of the papers of Dr. Kulkarni have been appreciated by eminent paediatricians of the country. Dr. Purshowtham Rao’s letter of appreciation is enclosed.

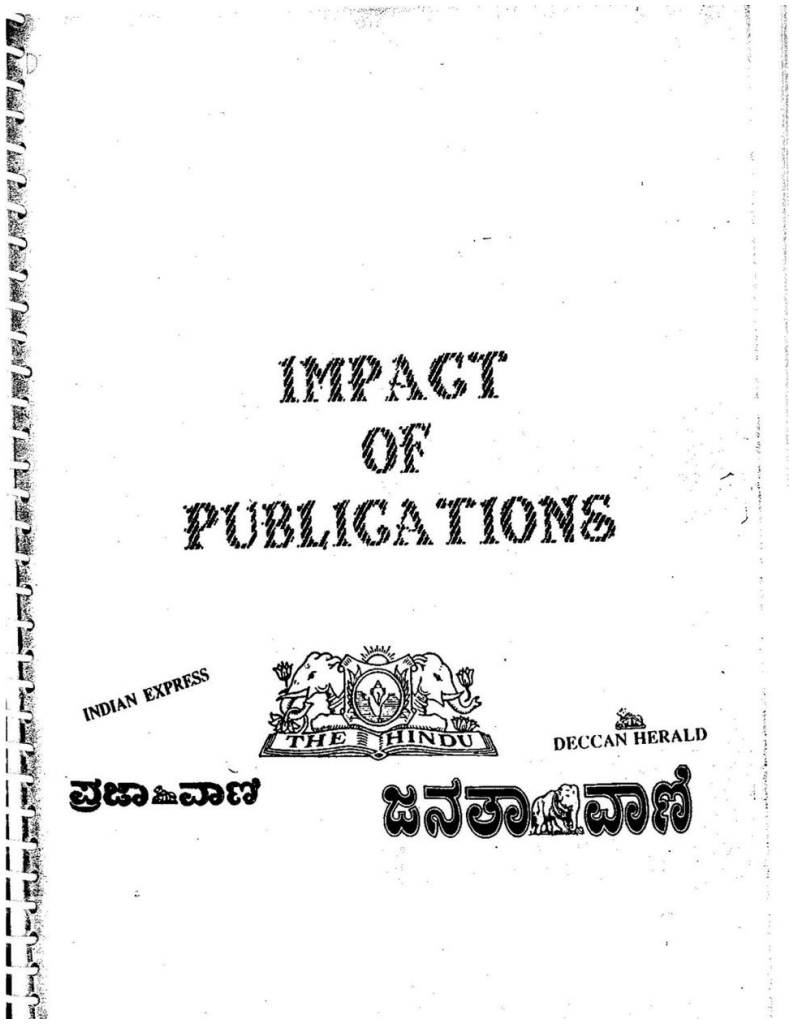
7. The National Institute of Public Co-operation and Child Development appreciated the research on consanguinity.

8. The former Prime Minister of India, Mr. Rajiv Gandhi, was impressed by the letter which Dr. Kulkarni wrote to him regarding some important matters on the health of children.

9. His data presented in the paper entitled “High incidence of NTD in South India”, published in the *Lancet*, 30 May 1987, have been considered very valuable by an international authority on NTD, Dr. Mary Seller, Reader in Developmental Genetics, Paediatric Research Unit, Guy’s Hospital, London. A copy of the letter is attached.

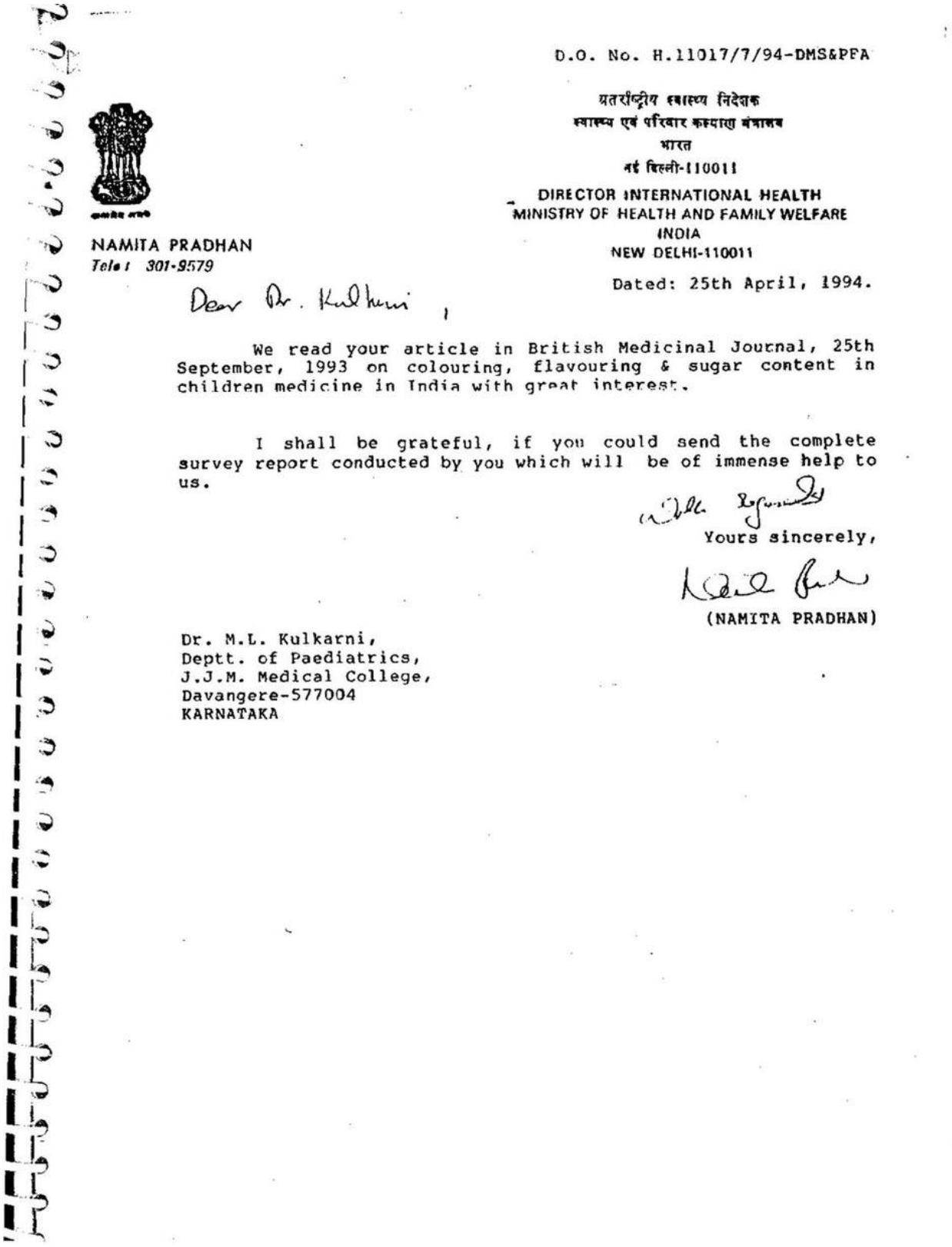
10. *“Sweet and Deadly” — Deccan Herald, July 10, 1994. An article on Dr. Kulkarni’s paper in the BMJ on additives in children’s medicine.*

Section divider sheet (original page 82)



Divider sheet headed “Impact of Publications”, carrying the mastheads of the newspapers that covered the work.

Ministry of Health and Family Welfare (original page 85)



D.O. No. H.11017/7/94-DMS&PFA

अंतर्राष्ट्रीय स्वास्थ्य निदेशक
स्वास्थ्य एवं परिवार कल्याण मंत्रालय
भारत
नई दिल्ली-110011

DIRECTOR INTERNATIONAL HEALTH
MINISTRY OF HEALTH AND FAMILY WELFARE
INDIA
NEW DELHI-110011

NAMITA PRADHAN
Tele: 301-9579

Dated: 25th April, 1994.

Dear Dr. Kulkarni,

We read your article in British Medicinal Journal, 25th September, 1993 on colouring, flavouring & sugar content in children medicine in India with great interest.

I shall be grateful, if you could send the complete survey report conducted by you which will be of immense help to us.

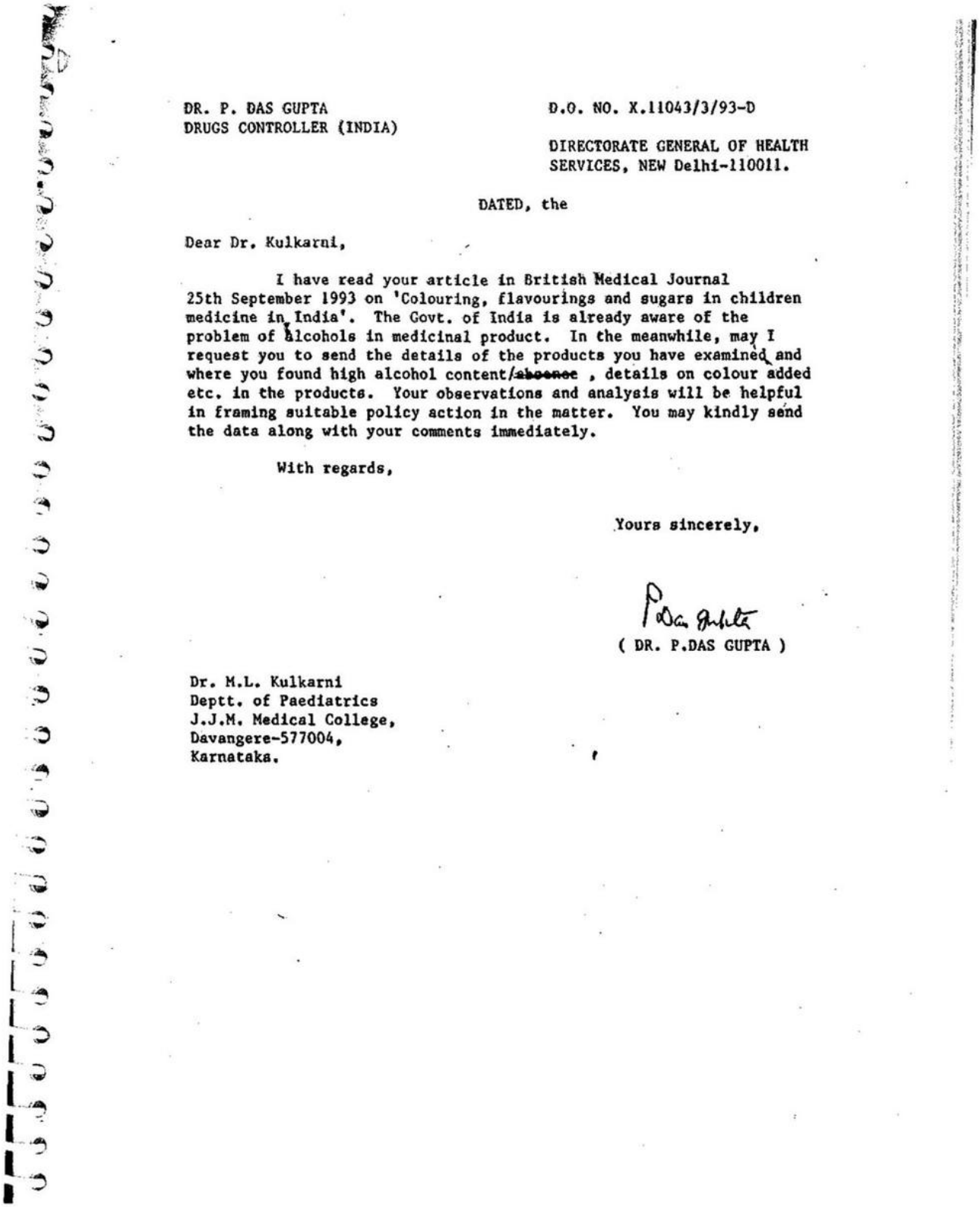
Yours sincerely,

(NAMITA PRADHAN)

Dr. M.L. Kulkarni,
Deptt. of Paediatrics,
J.J.M. Medical College,
Davangere-577004
KARNATAKA

Letter dated 25 April 1994 from Namita Pradhan, Director (International Health), Ministry of Health and Family Welfare, New Delhi, on the article in the *British Medical Journal* of 25 September 1993 on colouring, flavouring and sugar content in children's medicine, requesting the complete survey report.

Drugs Controller (India) (original page 86)



DR. P. DAS GUPTA
DRUGS CONTROLLER (INDIA)

D.O. NO. X.11043/3/93-D

DIRECTORATE GENERAL OF HEALTH
SERVICES, NEW Delhi-110011.

DATED, the

Dear Dr. Kulkarni,

I have read your article in British Medical Journal 25th September 1993 on 'Colouring, flavourings and sugars in children medicine in India'. The Govt. of India is already aware of the problem of alcohols in medicinal product. In the meanwhile, may I request you to send the details of the products you have examined and where you found high alcohol content/~~absence~~ , details on colour added etc. in the products. Your observations and analysis will be helpful in framing suitable policy action in the matter. You may kindly send the data along with your comments immediately.

With regards,

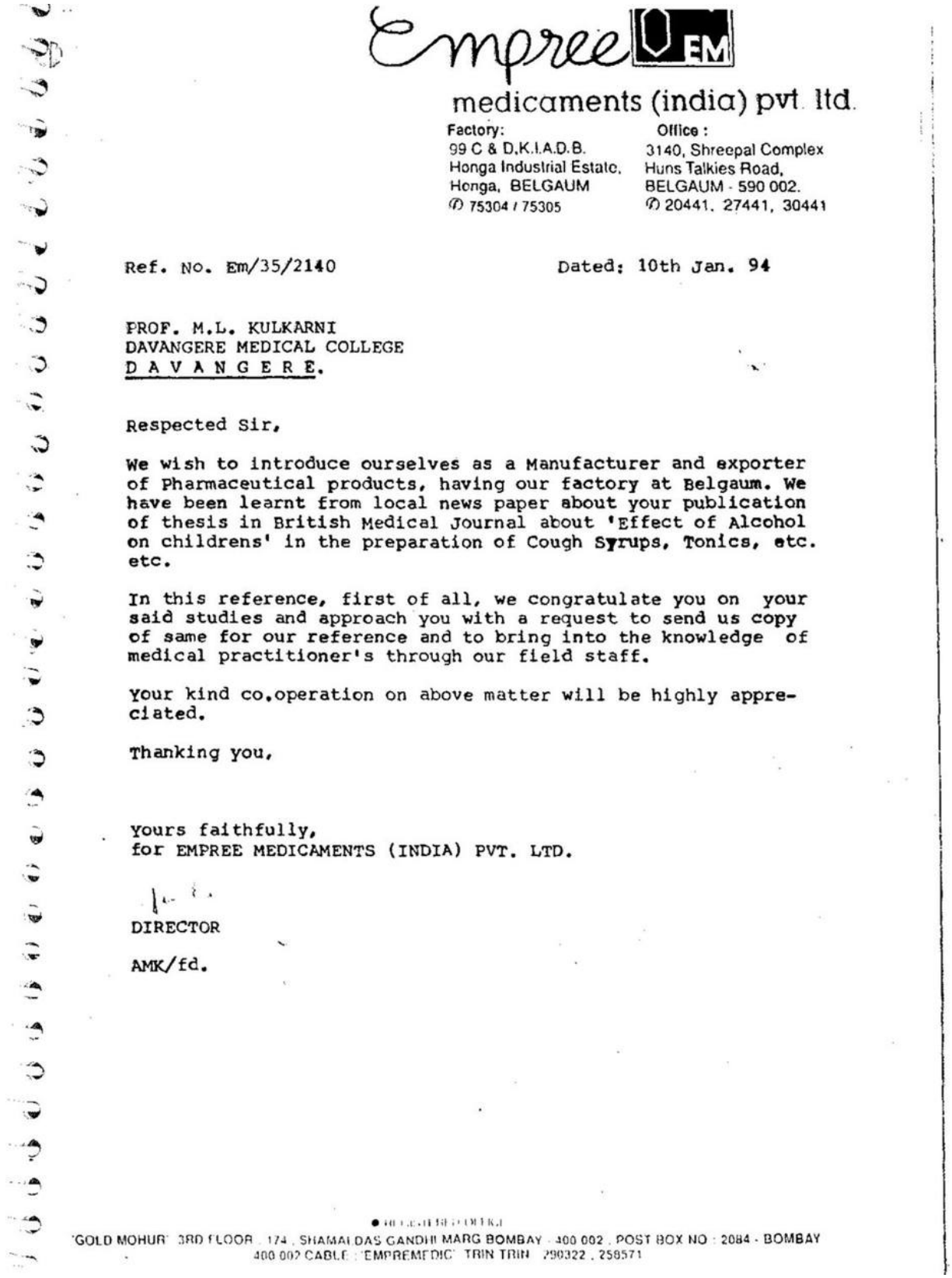
Yours sincerely,

(DR. P.DAS GUPTA)

Dr. M.L. Kulkarni
Deptt. of Paediatrics
J.J.M. Medical College,
Davangere-577004,
Karnataka.

Letter from Dr. P. Das Gupta, Drugs Controller (India), Directorate General of Health Services, New Delhi, on the same *British Medical Journal* article, requesting details of the products examined and of those found to have a high alcohol or added-colour content, with a view to framing a policy in the matter.

Empree Medicaments (India) Pvt. Ltd (original page 87)



Empree EM

medicaments (india) pvt. ltd.

Factory:
99 C & D.K.I.A.D.B.
Honga Industrial Estate,
Honga, BELGAUM
✆ 75304 / 75305

Office :
3140, Shreepal Complex
Huns Talkies Road,
BELGAUM - 590 002.
✆ 20441, 27441, 30441

Ref. No. Em/35/2140 Dated: 10th Jan. 94

PROF. M.L. KULKARNI
DAVANGERE MEDICAL COLLEGE
D A V A N G E R E.

Respected Sir,

We wish to introduce ourselves as a Manufacturer and exporter of Pharmaceutical products, having our factory at Belgaum. We have been learnt from local news paper about your publication of thesis in British Medical Journal about 'Effect of Alcohol on childrens' in the preparation of Cough Syrups, Tonics, etc. etc.

In this reference, first of all, we congratulate you on your said studies and approach you with a request to send us copy of same for our reference and to bring into the knowledge of medical practitioner's through our field staff.

Your kind co.operation on above matter will be highly appreciated.

Thanking you,

Yours faithfully,
for EMPREE MEDICAMENTS (INDIA) PVT. LTD.

DIRECTOR

AMK/fd.

'GOLD MOHUR' 3RD FLOOR, 174, SHAMALDAS GANDHI MARG BOMBAY - 400 002. POST BOX NO : 2084 - BOMBAY 400 002 CABLE : 'EMPREMEDIC' TRIN TRIN 290322, 258571

Letter dated 10 January 1994 from Empree Medicaments (India) Pvt. Ltd, Belgaum, congratulating Prof. Kulkarni on the study and requesting a copy of the paper for the guidance of their field staff.

Empree Medicaments (India) Pvt. Ltd (original page 88)

Empree EM

medicaments (india) pvt. ltd.

Factory:
99 C & D.K.I.A.D.B.
Honga Industrial Estate,
Honga, BELGAUM
✆ 75304 / 75305

Office :
3140, Shreepal Complex
Huns Talkies Road,
BELGAUM - 590 002.
✆ 20441, 27441, 30441

Ref. No. Em/35/2203 Dated: 22nd Jan. 94

PROF. M.L. KULKARNI
2373, M.C.C. 'A' Block,
D A V A N G E R E. 577004

Dear Sir,

We acknowledge the receipt of copy of your article published in B.M.J. 307 dated 25th Sep. 1993 and contents noted. We really appreciate your exaustive work on paediatric liquid preparations for their contents of Alcohol, Sugars, Flavourings and colourings. By this letter we would like to inform you that, in future we will try to minimise or avoid the use of above additives in our paediatric preparations, so that, all our paediatric preparations are much safer for Indian children. Dear Dr. Kulkarni, we will be always in touch with you so that, we can produce or manufacture safer and safer preparations for paediatric use.

WITH WARM REGARDS AND BEST WISHES.

Thanking you,

Yours faithfully,
for EMPREE MEDICAMENTS (INDIA) PVT. LTD.

RAMDAS BAILOOR
(Regional Sales Manager)

fdb-

'GOLD MOHUR' 3RD FLOOR, 179 SHAHABDAS GANDHI MARG BOMBAY 400 002. POST BOX NO : 2084 - BOMBAY
400 002 CABLE : EMPREMEDIC TRN TIDE : 290322 , 258571

Letter dated 22 January 1994 from Ramdas Baijoor, Regional Sales Manager, Empree Medicaments (India) Pvt. Ltd, acknowledging the published article and undertaking to minimise or avoid the additives discussed in their paediatric preparations.

All India Radio (original page 89)

UNITED MEDICAL AND DENTAL SCHOOLS

S. Sheshadri B.Com.LL.B.,
Correspondent,
All India Radio,

"Deepashri"
Cinema Road,
Shimoga.

Date: 5.12.1988.

Dear Mr. Dr. M.L. Kulakarni,

I am glad to inform you that the news service Division All India Radio, New Delhi has appreciated some of your scripts on your research and same had been broad-cast on National Channel. Mr. Bibekananda Ray Joint-Director of News, New Delhi has requested me to get in tough with you and to request you to write scripts on the research made by you for the spot-light programme, broad-cast on National Channel every night at 9.15 P.M. The script should not exceed 900 words in English and should be typed in double space.

I hope you would ~~xxxx~~ send the scripts to me as and when you could.

Thanking you,

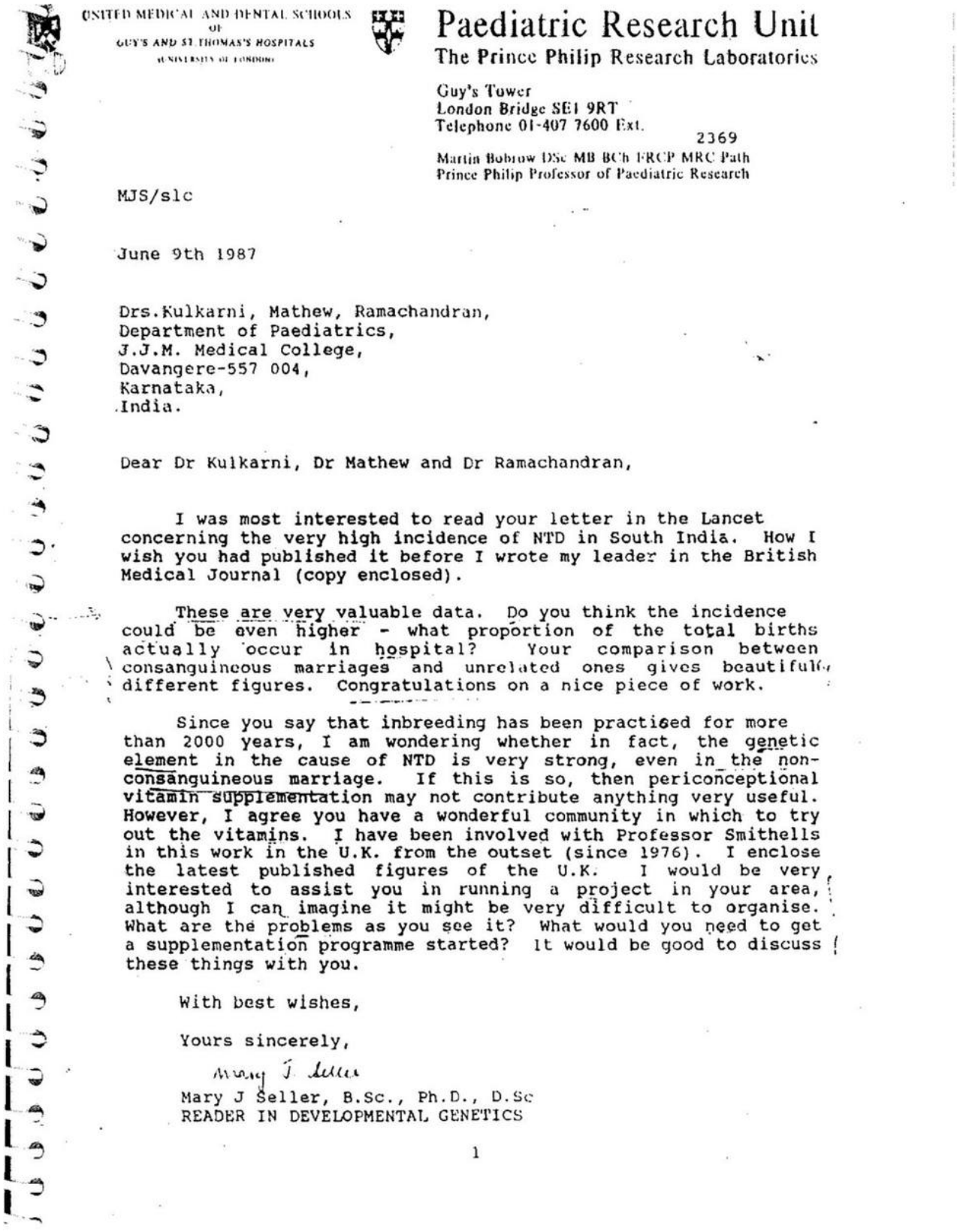
Yours faithfully,

(S. SHESHADRI)

P.S: Kindly send the papers/Script Submitted by you in the Silver Jubilee Conference at Jodhpur on "a Bad effect of Consanguine family marriages"

Letter dated 5 December 1988 from S. Sheshadri, Correspondent, All India Radio, Shimoga, recording that the News Services Division, All India Radio, New Delhi, appreciated the scripts on Dr. Kulkarni's research broadcast on the national channel, and that the Joint Director of News had requested a further script for the Spotlight programme. A handwritten postscript asks for the paper on the ill effects of consanguineous marriages presented at the Silver Jubilee conference at Jodhpur.

Paediatric Research Unit, Guy's Hospital, London (original page 90)



UNITED MEDICAL AND DENTAL SCHOOLS
OF
GUY'S AND ST THOMAS'S HOSPITALS
(UNIVERSITY OF LONDON)

Paediatric Research Unit

The Prince Philip Research Laboratories

Guy's Tower
London Bridge SE1 9RT
Telephone 01-407 7600 Ext. 2369

Martin Bobrow DSc MB BCh FRCP MRC Path
Prince Philip Professor of Paediatric Research

MJS/slc

June 9th 1987

Drs.Kulkarni, Mathew, Ramachandran,
Department of Paediatrics,
J.J.M. Medical College,
Davangere-557 004,
Karnataka,
India.

Dear Dr Kulkarni, Dr Mathew and Dr Ramachandran,

I was most interested to read your letter in the Lancet concerning the very high incidence of NTD in South India. How I wish you had published it before I wrote my leader in the British Medical Journal (copy enclosed).

These are very valuable data. Do you think the incidence could be even higher - what proportion of the total births actually occur in hospital? Your comparison between consanguineous marriages and unrelated ones gives beautiful different figures. Congratulations on a nice piece of work.

Since you say that inbreeding has been practised for more than 2000 years, I am wondering whether in fact, the genetic element in the cause of NTD is very strong, even in the non-consanguineous marriage. If this is so, then periconceptional vitamin supplementation may not contribute anything very useful. However, I agree you have a wonderful community in which to try out the vitamins. I have been involved with Professor Smithells in this work in the U.K. from the outset (since 1976). I enclose the latest published figures of the U.K. I would be very interested to assist you in running a project in your area, although I can imagine it might be very difficult to organise. What are the problems as you see it? What would you need to get a supplementation programme started? It would be good to discuss these things with you.

With best wishes,

Yours sincerely,

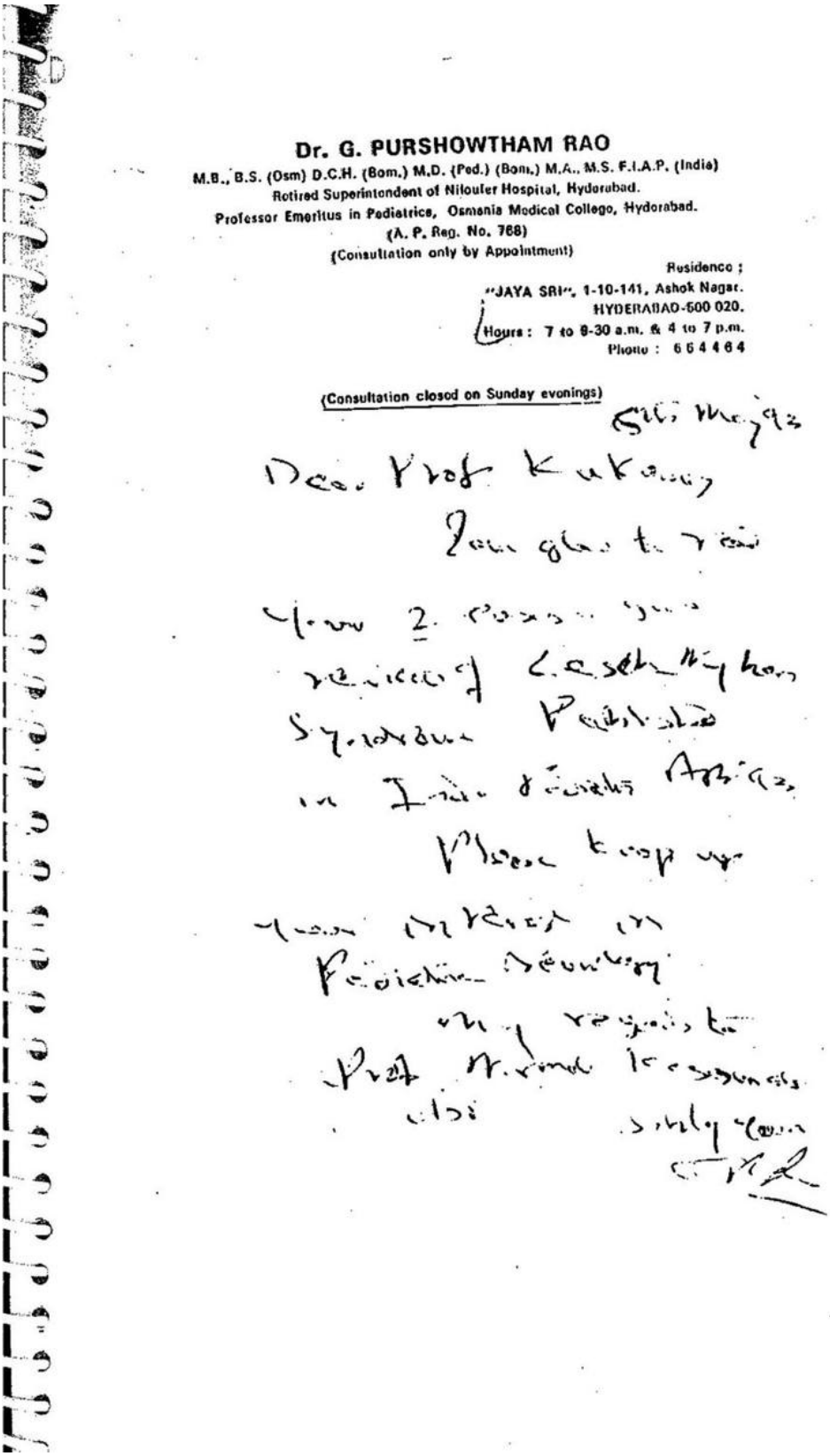
Mary J Seller

Mary J Seller, B.Sc., Ph.D., D.Sc
READER IN DEVELOPMENTAL GENETICS

1

Letter dated 9 June 1987 from Mary J. Seller, B.Sc., Ph.D., D.Sc., Reader in Developmental Genetics, Paediatric Research Unit, The Prince Philip Research Laboratories, Guy's Hospital, London, to Drs. Kulkarni, Mathew and Ramachandran, on their *Lancet* letter on the high incidence of NTD in South India, discussing the genetic element, consanguinity and vitamin supplementation, and offering to assist.

Dr. G. Purshowtham Rao (original page 91)



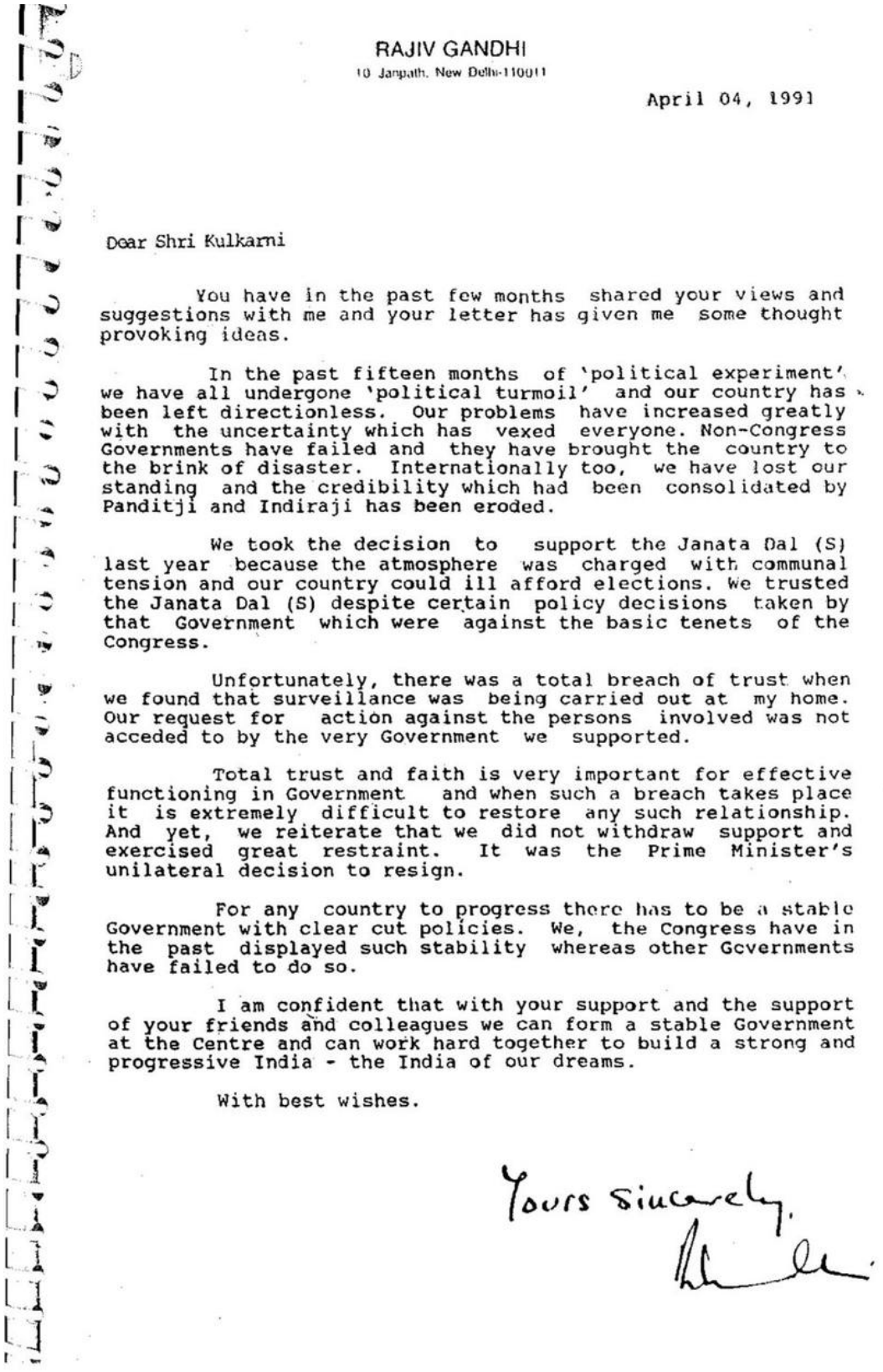
Dr. G. PURSHOWTHAM RAO
M.B., B.S. (Osm) D.C.H. (Bom.) M.D. (Ped.) (Bom.) M.A., M.S. F.I.A.P. (India)
Retired Superintendent of Niloufer Hospital, Hyderabad.
Professor Emeritus in Pediatrics, Osmania Medical College, Hyderabad.
(A. P. Reg. No. 768)
(Consultation only by Appointment)

Residence :
"JAYA SRI", 1-10-141, Ashok Nagar.
HYDERABAD-500 020.
Hours : 7 to 8-30 a.m. & 4 to 7 p.m.
Phone : 664464

(Consultation closed on Sunday evenings)

Handwritten letter of appreciation from Dr. G. Purshowtham Rao, M.B.B.S., D.C.H. (Ben.), M.D. (Bom.), M.A., M.S., F.I.A.P. (India), Retired Superintendent of Niloufer Hospital, Hyderabad, and Professor Emeritus in Paediatrics, Osmania Medical College, Hyderabad.

Shri Rajiv Gandhi (original page 92)



RAJIV GANDHI
10 Janpath, New Delhi-110011

April 04, 1991

Dear Shri Kulkarni

You have in the past few months shared your views and suggestions with me and your letter has given me some thought provoking ideas.

In the past fifteen months of 'political experiment' we have all undergone 'political turmoil' and our country has been left directionless. Our problems have increased greatly with the uncertainty which has vexed everyone. Non-Congress Governments have failed and they have brought the country to the brink of disaster. Internationally too, we have lost our standing and the credibility which had been consolidated by Panditji and Indiraji has been eroded.

We took the decision to support the Janata Dal (S) last year because the atmosphere was charged with communal tension and our country could ill afford elections. We trusted the Janata Dal (S) despite certain policy decisions taken by that Government which were against the basic tenets of the Congress.

Unfortunately, there was a total breach of trust when we found that surveillance was being carried out at my home. Our request for action against the persons involved was not acceded to by the very Government we supported.

Total trust and faith is very important for effective functioning in Government and when such a breach takes place it is extremely difficult to restore any such relationship. And yet, we reiterate that we did not withdraw support and exercised great restraint. It was the Prime Minister's unilateral decision to resign.

For any country to progress there has to be a stable Government with clear cut policies. We, the Congress have in the past displayed such stability whereas other Governments have failed to do so.

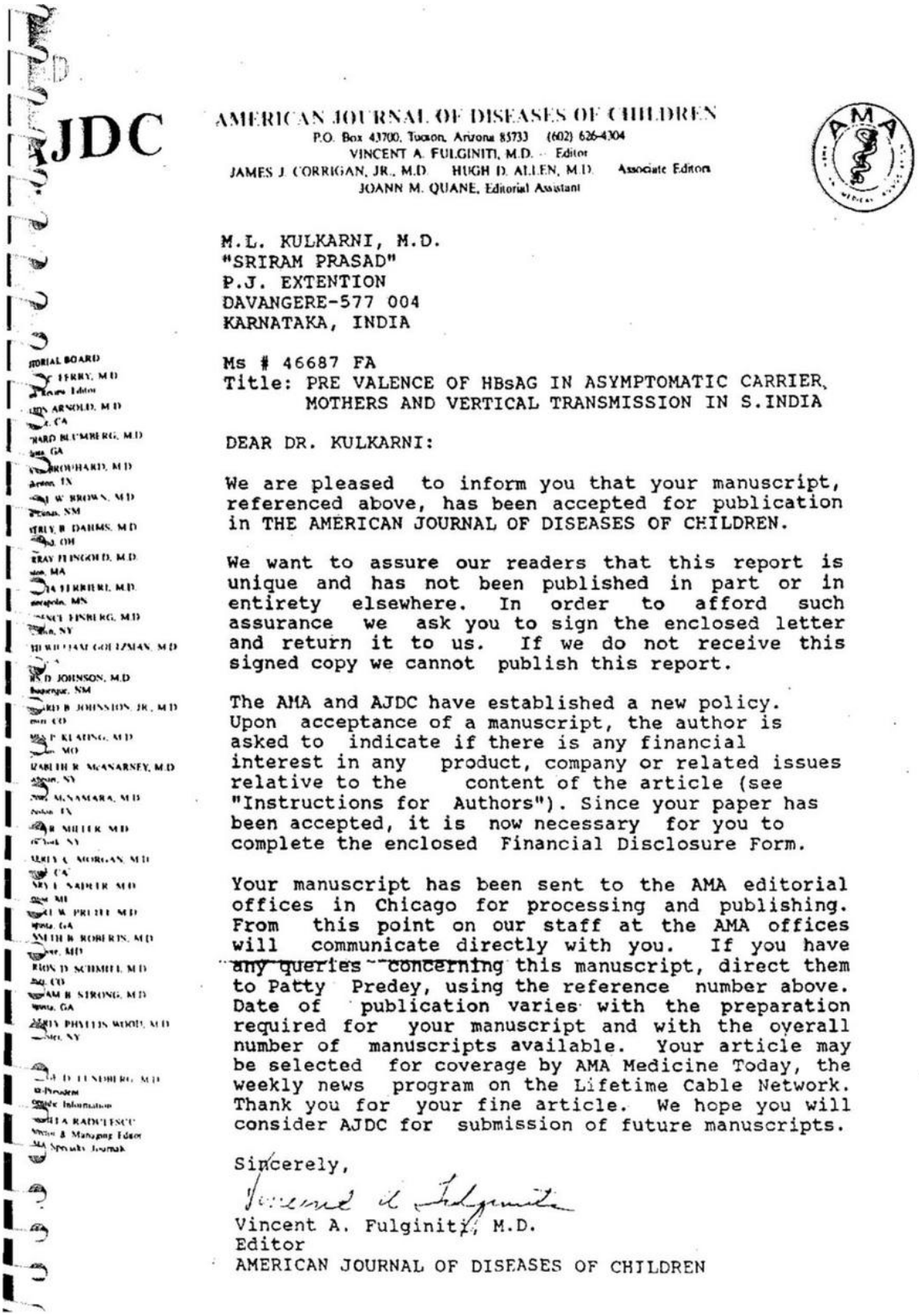
I am confident that with your support and the support of your friends and colleagues we can form a stable Government at the Centre and can work hard together to build a strong and progressive India - the India of our dreams.

With best wishes.

Yours sincerely,

Letter dated 4 April 1991 from Rajiv Gandhi, 10 Janpath, New Delhi, replying to Dr. Kulkarni's correspondence.

American Journal of Diseases of Children (original page 93)



AJDC

AMERICAN JOURNAL OF DISEASES OF CHILDREN
P.O. Box 43700, Tucson, Arizona 85733 (602) 626-4304
VINCENT A. FULGINITI, M.D. — Editor
JAMES J. CORRIGAN, JR., M.D. HUGH D. ALLEN, M.D. Associate Editors
JOANN M. QUANE, Editorial Assistant

M.L. KULKARNI, M.D.
"SRIRAM PRASAD"
P.J. EXTENTION
DAVANGERE-577 004
KARNATAKA, INDIA

Ms # 46687 FA
Title: PRE VALENCE OF HBsAG IN ASYMPTOMATIC CARRIER, MOTHERS AND VERTICAL TRANSMISSION IN S.INDIA

DEAR DR. KULKARNI:

We are pleased to inform you that your manuscript, referenced above, has been accepted for publication in THE AMERICAN JOURNAL OF DISEASES OF CHILDREN.

We want to assure our readers that this report is unique and has not been published in part or in entirety elsewhere. In order to afford such assurance we ask you to sign the enclosed letter and return it to us. If we do not receive this signed copy we cannot publish this report.

The AMA and AJDC have established a new policy. Upon acceptance of a manuscript, the author is asked to indicate if there is any financial interest in any product, company or related issues relative to the content of the article (see "Instructions for Authors"). Since your paper has been accepted, it is now necessary for you to complete the enclosed Financial Disclosure Form.

Your manuscript has been sent to the AMA editorial offices in Chicago for processing and publishing. From this point on our staff at the AMA offices will communicate directly with you. If you have any queries concerning this manuscript, direct them to Patty Predey, using the reference number above. Date of publication varies with the preparation required for your manuscript and with the overall number of manuscripts available. Your article may be selected for coverage by AMA Medicine Today, the weekly news program on the Lifetime Cable Network. Thank you for your fine article. We hope you will consider AJDC for submission of future manuscripts.

Sincerely,

Vincent A. Fulginiti

Vincent A. Fulginiti, M.D.
Editor
AMERICAN JOURNAL OF DISEASES OF CHILDREN

Letter from Vincent A. Fulginiti, M.D., Editor, *American Journal of Diseases of Children* (AJDC), accepting for publication the manuscript “Prevalence of HBsAg in asymptomatic carrier mothers and vertical transmission in S. India” (MS 46687 FA).

Deccan Herald, 16 November 1988 (original page 94)



News in brief 6 *DECCAN HERALD, Wednesday, November 16, 1988*

Hungerthon '88 nets big money

NEW YORK, Nov. 15. (PTI) — Dozens of rock and folk artistes ended a 24-hour live music performance on Monday night at the United Nations, collecting over $300,000 for the world's hungry. The annual fundraiser — *Hungerthon '88* — was organised by the UNICEF and the World Hunger Year (WHY), a non-profit organisation. According to UNICEF, half of the children under the age of five in developing countries suffer from nutritional anaemia compared to about 10 per cent in the industrialised countries.

Star race

LONDON (Xinhua): Stars are lined up in the race to play Charlie Chaplin as British director Sir Richard Attenborough won the rights to make a film on the actor. Whoever gets the coveted role will become an international star. There are at least two leading British contenders, Bob Hoskings and Dudley Moore. Others in the run are Kevin Kline, Robin Williams and Dustin Hoffman.

Picasso record

NEW YORK (AP): Pablo Picasso's *Maternity*, a painting in blue of a mother kissing her son, has sold at auction for $24.75 million, the third-highest price ever paid for a work of art, and a record for a 20th-century piece. *Maternity* was one of 28 modern and post-impressionist works of art sold at Christie's during a sale recently that brought a total of $85,014,500. After intense bidding, *Maternity* sold to a private Latin American buyer whose winning bid was placed by telephone.

Costly wine

GENEVA (AP): A bottle of 1806 Chateau Lafite was sold for 57,200 Swiss francs ($40,280) at a Sotheby's wine sale. The buyer of the wine was a European collector. Sotheby's catalogue stated that the wine was of "excellent appearance" but the auction house refused to guarantee the quality of the wine.

Grunts, gets shot

ITALY (AP): Police said Omero Berti's imitation of a boar's grunt was so authentic, he got shot for it. The 70-year-old Berti was wounded in the leg by a gunshot fired by his brother, Ovidio, 62, when the elder Berti hid behind a bush and gave a wild boar's grunt as a joke while the two were hunting on Thursday in Pistoia, a Central Italian town.

Operation Blackboard

NEW DELHI (PTI): A record number of 10 crore books will be purchased by over five lakh primary school libraries all over the country under the Operation Blackboard programme launched recently by the Central Government. According to NBT Chairman providing 10 crore children's books in various languages in the country will be a challenge to publishers.

Malformed babies

JODHPUR (PTI): Babies born to consanguine couples — those having blood relationship — suffer several congenital malformations, according to a study. Consanguine family marriages have a bad effect on the foetal growth and development of the child, according to Dr. M L. Kulkarni and Dr. Mathiew, of the Department of Pediatrics, J.J.M. Medical College, Davangere, in their paper submitted to the silver jubilee conference of the Indian Pediatric Association which concluded here recently. Incidence of congenital malformations was the highest in the offsprings of uncle-niece couples followed by first niece couples, the paper said.

Mosquitoes & sex

NEW DELHI (UNI): Mosquitoes' sex behaviour has been found to be related to the incidence of malaria and indicate their resistance to insecticides like DDT, scientists say. Mosquitoes, though morphologically similar, mate within a select group, referred to as 'sibling species' by researchers. Scientists at the Malaria Research Centre say that a clear understanding of the sibling groups is vital to control malaria.

Press cutting from the *Deccan Herald* of Wednesday, 16 November 1988, “News in brief” column; the item marked on the original is “Malformed babies”, reporting the finding on consanguineous couples.

“From Here and There”, 19 November 1988 (original page 95)



November 19 1988

FROM HERE AND THERE

BEIJING BURSTING: The rapid increase in Beijing's population is putting a great strain on the city's resources. The population of Beijing stood at 9.957 million at the end of September -- 2.4 times what it was in 1949, when the People's Republic of China was founded. But the figure, released by the Beijing Statistics Bureau, includes only those people registered as permanent residents. In fact, the real figure exceeds 10 million if the floating population is taken into account. Beijing has a floating population of some 1.2 million, 730,000 of whom are living there doing manual work and peddling. Not until the 1970s did the Government begin promoting birth control and restricting each couple to only one child. But the population of Beijing has kept growing. In 1987, some 169,000 babies were born in Beijing, while only 53,000 people died. Experts predict that the population of Beijing will have reached 11.5 million by the year 2000. "The rapid increase in population has put great pressure on Beijing's transportation, energy, water, housing and goods and materials supplies," says Mayor Chen Xitong. — UNI.

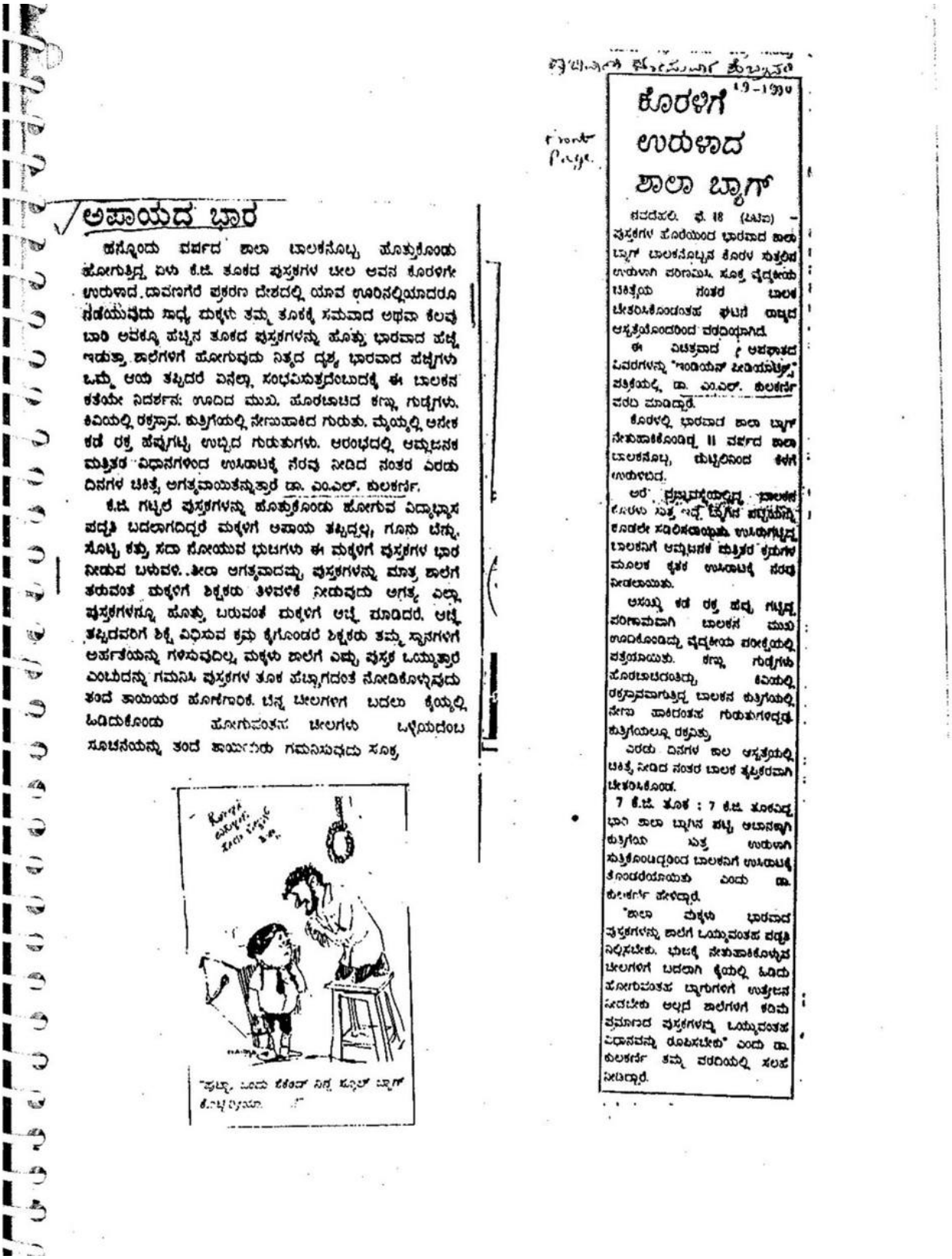
COLD BATH CURE: A simple ice-cold bath can prevent the numerous cocaine-caused deaths that take place around the world, an American doctor, who has studied cocaine deaths for one-and-a-half years, says. Dr. Mark Gold, a doctor from New Jersey, said he found the leading cause of the drug's toxicity was an increase in the core body-temperature. "In animals we tested, 30 or more minutes after cocaine was taken, the body temperature shot up 10 percent. For humans, that could mean a temperature increase to 107 degrees, a condition that may be linked to cardiac arrest and seizures," he said. The doctor said he found ice-water baths to be an effective treatment in reducing temperature, and at the same time reducing seizures, respiratory collapse and heart irregularities. PTI.

LIGHT PENALTY: A man who whipped his teenaged son to death was fined 250 Zimbabwean dollars ($ 132.50) by a magistrate Amos Ndlovu, 54, admitted in Bulawayo magistrates' court on Wednesday to a charge of culpable homicide, the Chronicle newspaper reported on Thursday. Ndlovu said nine days before the court hearing, his son Benedict Ndlovu, 14, broke into a cabinet in their home in Filabusi and stole 50 Zimbabwe dollars. As punishment, the father said, he bound the boy's hands behind his back and whipped him repeatedly all over the body with a sjambok, a whip made of rhinoceros or hippopotamus hide. His son died the following morning from the injuries. Magistrate Phillip Drazdik fined Ndlovu 250 Zimbabwe dollars, or three months' imprisonment. AP

UNDESIRABLE MATCHES: Babies born to consanguine couples those having blood relationship - suffer several congenital malformations, according to a study. Consanguine family marriages have a bad effect on the foetal growth and development of the child, according to Dr. M. L. Kulkarni and Dr. Mathew of the Department of Paediatrics, J. J. M. Medical College, Davangere. Evaluation of 1,700 live and still-born children born to such couples have revealed that incidence of congenital malformations are the highest in the offsprings of uncle-niece couples followed by first niece couples, their paper said. The mean birth weight and head circumference were also significantly lower in babies born to consanguine couples, it added. - PTI.

Press cutting dated 19 November 1988; the marked item, “Undesirable matches”, reports the study by Dr. M. L. Kulkarni and Dr. Mark Gold of the Department of Paediatrics, J.J.M. Medical College, Davangere, on 1,706 first- and second-born children of consanguineous couples.

Kannada press cutting on school bags (original page 96)



ಅಪಾಯದ ಭಾರ

ಹನ್ನೊಂದು ವರ್ಷದ ಶಾಲಾ ಬಾಲಕನೊಬ್ಬ ಹೊತ್ತುಕೊಂಡು ಹೋಗುತ್ತಿದ್ದ ಏಳು ಕೆ.ಜಿ. ತೂಕದ ಪುಸ್ತಕಗಳ ಚೀಲ ಅವನ ಕೊರಳಿಗೇ ಉರುಳಾದ. ದಾವಣಗೆರೆ ಪ್ರಕರಣ ದೇಶದಲ್ಲಿ ಯಾವ ಊರಿನಲ್ಲಿಯಾದರೂ ನಡೆಯಬಹುದಾದ ಸಾಧ್ಯತೆಯಿದೆ. ಮಕ್ಕಳು ತಮ್ಮ ತೂಕಕ್ಕೆ ಸಮವಾದ ಅಥವಾ ಕೆಲವು ಬಾರಿ ಅವಕ್ಕೂ ಹೆಚ್ಚಿನ ತೂಕದ ಪುಸ್ತಕಗಳನ್ನು ಹೊತ್ತು ಭಾರವಾದ ಪೆಟ್ಟಿಗೆ ಇಡುತ್ತಾ ಶಾಲೆಗಳಿಗೆ ಹೋಗುವುದು ನಿತ್ಯದ ದೃಶ್ಯ. ಭಾರವಾದ ಪೆಟ್ಟಿಗೆಗಳು ಒಮ್ಮೆ ಆಯ ತಪ್ಪಿದರೆ ಏನೆಲ್ಲಾ ಸಂಭವಿಸಬಹುದೆಂಬುದಕ್ಕೆ ಈ ಬಾಲಕನ ಕತೆಯೇ ನಿದರ್ಶನ: ಊದಿದ ಮುಖ, ಹೊರಬಾಚಿದ ಕಣ್ಣು, ಗುಡ್ಡೆಗಳು, ಕಿವಿಯಲ್ಲಿ ರಕ್ತಸ್ರಾವ, ಕುತ್ತಿಗೆಯಲ್ಲಿ ನೇಣುಹಾಕಿದ ಗುರುತು. ಮೈಯ್ಯಲ್ಲಿ ಅನೇಕ ಕಡೆ ರಕ್ತ ಹೆಪ್ಪುಗಟ್ಟಿ ಉಬ್ಬಿದ ಗುರುತುಗಳು. ಆರಂಭದಲ್ಲಿ ಆಸ್ಪತ್ರೆಯ ಸಿಬ್ಬಂದಿಗಳ ಮತ್ತಿತರ ವಿಧಾನಗಳಿಂದ ಉಪಚಾರಕ್ಕೆ ನೆರವು ನೀಡಿದ ನಂತರ ಎರಡು ದಿನಗಳ ಚಿಕಿತ್ಸೆ ಅಗತ್ಯವಾಯಿತೆನ್ನುತ್ತಾರೆ ಡಾ. ಎಂ.ಎಲ್. ಕುಲಕರ್ಣಿ.

ಕೆ.ಜಿ. ಗಟ್ಟಲೆ ಪುಸ್ತಕಗಳನ್ನು ಹೊತ್ತುಕೊಂಡು ಹೋಗುವ ವಿದ್ಯಾಭ್ಯಾಸ ಪದ್ಧತಿ ಬದಲಾಗದಿದ್ದರೆ ಮಕ್ಕಳಿಗೆ ಅಪಾಯ ತಪ್ಪಿದ್ದಲ್ಲ, ಗೂನು ಬೆನ್ನು, ಸೊಟ್ಟ ಕತ್ತು ಸದಾ ನೋಯುವ ಭುಜಗಳು ಈ ಮಕ್ಕಳಿಗೆ ಪುಸ್ತಕಗಳ ಭಾರ ನೀಡುವ ಬಳುವಳಿ. ತೀರಾ ಅಗತ್ಯವಾದವನ್ನು ಮಾತ್ರ ಶಾಲೆಗೆ ತರುವಂತೆ ಮಕ್ಕಳಿಗೆ ಶಿಕ್ಷಕರು ತಿಳಿವಳಿಕೆ ನೀಡುವುದು ಅಗತ್ಯ. ಎಲ್ಲಾ ಪುಸ್ತಕಗಳನ್ನೂ ಹೊತ್ತು ಬರುವಂತೆ ಮಕ್ಕಳಿಗೆ ಆಜ್ಞೆ ಮಾಡಿದರೆ, ಆಜ್ಞೆ ತಪ್ಪಿದವರಿಗೆ ಶಿಕ್ಷೆ ವಿಧಿಸುವ ಕ್ರಮ ಕೈಗೊಂಡರೆ ಶಿಕ್ಷಕರು ತಮ್ಮ ಸ್ಥಾನಗಳಿಗೆ ಅರ್ಹತೆಯನ್ನು ಗಳಿಸುವುದಿಲ್ಲ. ಮಕ್ಕಳು ಶಾಲೆಗೆ ಎಷ್ಟು ಪುಸ್ತಕ ಒಯ್ಯುತ್ತಾರೆ ಎಂಬುದನ್ನು ಗಮನಿಸಿ ಪುಸ್ತಕಗಳ ತೂಕ ಹೆಚ್ಚಾಗದಂತೆ ನೋಡಿಕೊಳ್ಳುವುದು ತಂದೆ ತಾಯಿಯರ ಹೊಣೆಗಾರಿಕೆ. ಬೆನ್ನ ಚೀಲಗಳಿಗೆ ಬದಲು ಕೈಯ್ಯಲ್ಲಿ ಒಯ್ಯಬಹುದಾದ ಚೀಲಗಳು ಒಳ್ಳೆಯದೆಂಬ ಸೂಚನೆಯನ್ನು ತಂದೆ ತಾಯಿಯರು ಗಮನಿಸುವುದು ಸೂಕ್ತ.

ಕೊರಳಿಗೆ ಉರುಳಾದ ಶಾಲಾ ಬ್ಯಾಗ್

ಚನ್ನಪಟ್ಟಣ, ಫೆ. 18 (ಪಟಿಪ) – ಪುಸ್ತಕಗಳ ಹೊರೆಯಿಂದ ಭಾರವಾದ ಶಾಲಾ ಬ್ಯಾಗ್ ಬಾಲಕನೊಬ್ಬನ ಕೊರಳ ಸುತ್ತಲಿನ ಉರುಳಾಗಿ ಪರಿಣಮಿಸಿ, ಸೂಕ್ತ ವೈದ್ಯಕೀಯ ಚಿಕಿತ್ಸೆಯ ನಂತರ ಬಾಲಕ ಚೇತರಿಸಿಕೊಂಡಂತಹ ಘಟನೆ ರಾಮನಗರದ ಆಸ್ಪತ್ರೆಯೊಂದರಿಂದ ವರದಿಯಾಗಿದೆ.

ಈ ವಿಚಿತ್ರವಾದ ಅಪಘಾತದ ವಿವರಗಳನ್ನು "ಇಂಡಿಯನ್ ಪೀಡಿಯಾಟ್ರಿಕ್ಸ್" ಪತ್ರಿಕೆಯಲ್ಲಿ ಡಾ. ಎಂ.ಎಲ್. ಕುಲಕರ್ಣಿ ವರದಿ ಮಾಡಿದ್ದಾರೆ.

ಕೊರಳಲ್ಲಿ ಭಾರವಾದ ಶಾಲಾ ಬ್ಯಾಗ್ ನೇತುಹಾಕಿಕೊಂಡಿದ್ದ 11 ವರ್ಷದ ಶಾಲಾ ಬಾಲಕನೊಬ್ಬ, ಕುಬ್ಜನಿಂದ ಕೆಳಗೆ ಉರುಳಿಬಿದ್ದ.

ಆದರೆ ದುರದೃಷ್ಟವಶಾತ್ತಾಗಿ ಬಾಲಕನ ಕೊರಳು ಸುತ್ತ ಇದ್ದ ಬೆನ್ನಿನ ಪಟ್ಟಿಯನ್ನು ಕೂಡಲೇ ಸಡಿಲಿಸಲಾಯಿತು. ಉಸಿರುಗಟ್ಟಿದ್ದ ಬಾಲಕನಿಗೆ ಆಮ್ಲಜನಕ ಮತ್ತಿತರ ಔಷಧಗಳ ಮೂಲಕ ಕೃತಕ ಉಸಿರಾಟಕ್ಕೆ ನೆರವು ನೀಡಲಾಯಿತು.

ಅಸಮ್ಮ ಕಡೆ ರಕ್ತ ಹೆಪ್ಪು ಗಟ್ಟಿದ್ದು, ಪರಿಣಾಮವಾಗಿ ಬಾಲಕನ ಮುಖ ಊದಿಕೊಂಡಿದ್ದು, ವೈದ್ಯಕೀಯ ಪರೀಕ್ಷೆಯಲ್ಲಿ ಪತ್ತೆಯಾಯಿತು. ಕಣ್ಣು ಗುಡ್ಡೆಗಳು ಹೊರಬಾಚಿದಂತಿದ್ದು, ಕಿವಿಯಲ್ಲಿ ರಕ್ತಸ್ರಾವವಾಗುತ್ತಿದ್ದ ಬಾಲಕನ ಕುತ್ತಿಗೆಯಲ್ಲಿ ನೇಣು ಹಾಕಿದಂತಹ ಗುರುತುಗಳಿದ್ದವು. ಕುತ್ತಿಗೆಯಲ್ಲೂ ರಕ್ತವಿತ್ತು.

ಎರಡು ದಿನಗಳ ಕಾಲ ಆಸ್ಪತ್ರೆಯಲ್ಲಿ ಚಿಕಿತ್ಸೆ ನೀಡಿದ ನಂತರ ಬಾಲಕ ಕ್ಷೇಮವಾಗಿ ಚೇತರಿಸಿಕೊಂಡ.

7 ಕೆ.ಜಿ. ತೂಕ : 7 ಕೆ.ಜಿ. ತೂಕವಿದ್ದ ಶಾಲಾ ಬ್ಯಾಗಿನ ಹಬ್ಬ, ಆಯಾತಪ್ಪಿ ಕುತ್ತಿಗೆಯ ಸುತ್ತ ಉರುಳಾಗಿ ಸುತ್ತಿಕೊಂಡಿದ್ದರಿಂದ ಬಾಲಕನಿಗೆ ಉಸಿರಾಟಕ್ಕೆ ತೊಂದರೆಯಾಯಿತು ಎಂದು ಡಾ. ಕುಲಕರ್ಣಿ ಹೇಳಿದ್ದಾರೆ.

"ಶಾಲಾ ಮಕ್ಕಳು ಭಾರವಾದ ಪುಸ್ತಕಗಳನ್ನು ಶಾಲೆಗೆ ಒಯ್ಯುವಂತಹ ಪದ್ಧತಿ ನಿಲ್ಲಿಸಬೇಕು. ಭುಜಕ್ಕೆ ನೇತುಹಾಕಿಕೊಳ್ಳುವ ಚೀಲಗಳಿಗೆ ಬದಲಾಗಿ ಕೈಯಲ್ಲಿ ಹಿಡಿದು ಹೋಗಬಹುದಾದ ಬ್ಯಾಗುಗಳಿಗೆ ಉತ್ತೇಜನ ನೀಡಬೇಕು. ಅಲ್ಲದೆ ಶಾಲೆಗಳಿಗೆ ಕಡಿಮೆ ಪ್ರಮಾಣದ ಪುಸ್ತಕಗಳನ್ನು ಒಯ್ಯುವಂತಹ ವಿಧಾನವನ್ನು ರೂಪಿಸಬೇಕು" ಎಂದು ಡಾ. ಕುಲಕರ್ಣಿ ತಮ್ಮ ವರದಿಯಲ್ಲಿ ಸಲಹೆ ನೀಡಿದ್ದಾರೆ.

Kannada-language press cutting on the school bag question, under a headline that translates as “the bag that has become a noose round the neck”, with an accompanying cartoon.

Mixed press cuttings (original page 97)



F L Y

to withdraw subsidy

...alth Officer will soon inspect the affected areas and complete the ...rk on his part to solve the prob-lem.

The Agriculture Minister advised the farmers to apply for a tractor of Agriculture Department to complete ...r work in the fields promptly, and assured that he would arrange ...spend it immediately, on the hire ...rges.

Yoga course

The Vivekananda Yoga Vyayam-...a attached to the Swami Vivek-ananda Society of Panjim will ...nducted a General Yoga Course ...n October 4, 1993 for 10 days.

The Course will include General ...ga Exercises, Pranayam, Kriyas ...with thrust, on practicals. Men and ...women are eligible to join the ...course to be conducted in the Swami Vivekananda Memorial ...ll, 6th floor, Junta House, Panaji from 6.15 pm to 7.30 pm (Evening).

The Course will be conducted by ...Suresh D Gaitonde, a senior experienced resource person. Those ...erested may contact Swami Vivekananda Society, Junta House, ...floor, here during office hours, ...s a press note.

Pediatricians meet

The Goa Association of Pediatri-...s met at Porvorim on September 25. The visiting professor of Pediatrics from the Medical College, Davengere, Dr M L Kulkarni was the guest speaker. He spoke on "Genetic Counselling and New Generics", as per information received from the President of the Association, Dr Rosario Menezes. Dr Kulkarni will conduct a special genetic counselling clinic at the Pediatric OPD, Medical College Bambolim, on Wednesday, September 29, 1993 at 2.30 He is one of the leading experts in the field.

Talk

Lions Club of Panjim has organised a talk on "Common Surgical Problems by Dr W K Beloker Prof & Head of Surgery Goa Medical College on Wednesday September 29 93 at 8.30 pm at Hotel Chopkia International Miramar.

TB Cunha anniversary

In order to commemorate the 35th death anniversary of Dr Tristao de Braganza Cunha on September 26, Mrs Martha Saldanha, Sarpanch and Mr S A Azeem, Dy Sarpanch of the Village Panchayat of Cansaulim-Arossim-Cuelim along with panchas and staff laid a wreath at the bust of Dr T B Cunha at the panchayat park at Cansaulim at 9 o'clock. A minute's silence was also observed, says a press note.

పిల్లల మందుల్లో ప్రమాదం

మన దేశంలో తయారయ్యే మందులలో ౫౨ శాతం నిరర్థకమైనవి. అందులోనూ పిల్లలకు అనేక రకాల జబ్బుల నివారణ కోసం ఉపయోగించే సిరపేలలో అల్కహాల్, చక్కెర శాతం తక్కిదంతులు, దాక్టర్లు అందోళన చెందవలసిన స్థాయికి చేరింది. పైగా ఇవన్నీ బొలదంత ఖరీదు కూడా. ఇవి పేద పిల్లలకు అందనంత ఎత్తులో వెళ్లిపోయాయి.

చౌకగా లభించే బార్బిట్లు ఉపయోగించరగిన వయసులో కూడా ఈ సిరపేలనే ఉపయోగిస్తున్నారు. ఈ సిరపేల ద్వారా అవసరమైన చక్కెరను పసివారికి అందించడం, సిరపేలలో కలసిన రంగుల వల్ల అలర్జీ కలగడం, అల్కహాల్ వల్ల మరికొన్ని దుష్పలితాలు ఏర్పడటం జరుగుతున్నాయి.

దావణగెరె మెడికల్ కాలేజీకి చెందిన డా. శ్రీలక్ష్మి ఈ విషయం గురించి చేసిన పరిశోధన జరిపి పై విషయాలను కనుగొన్నారు.

మన దేశంలో తయారవుతున్న ౫౫౫ రకాల ఔషధాలలో ౪౫ మందులను ౧౨ ప్రాంతీయ కంపెనీలు తయారుచేస్తున్నాయి.

వీటిలో ౧౨ ఔషధాలు దగ్గు నివారణకు వాడే కాఫ్ సిరపేలు, ౫ ఔషధాలు అంటీబయాటిక్స్, ౫ ఔషధాలు బాధ నివారణకు, ౫ ఔషధాలు వాంతులను నివారించే, ౬ రకాలు అంటీ అసిడిటీకు. తక్కినవన్నీ ఇతర జబ్బులకు వాడే మందులు.

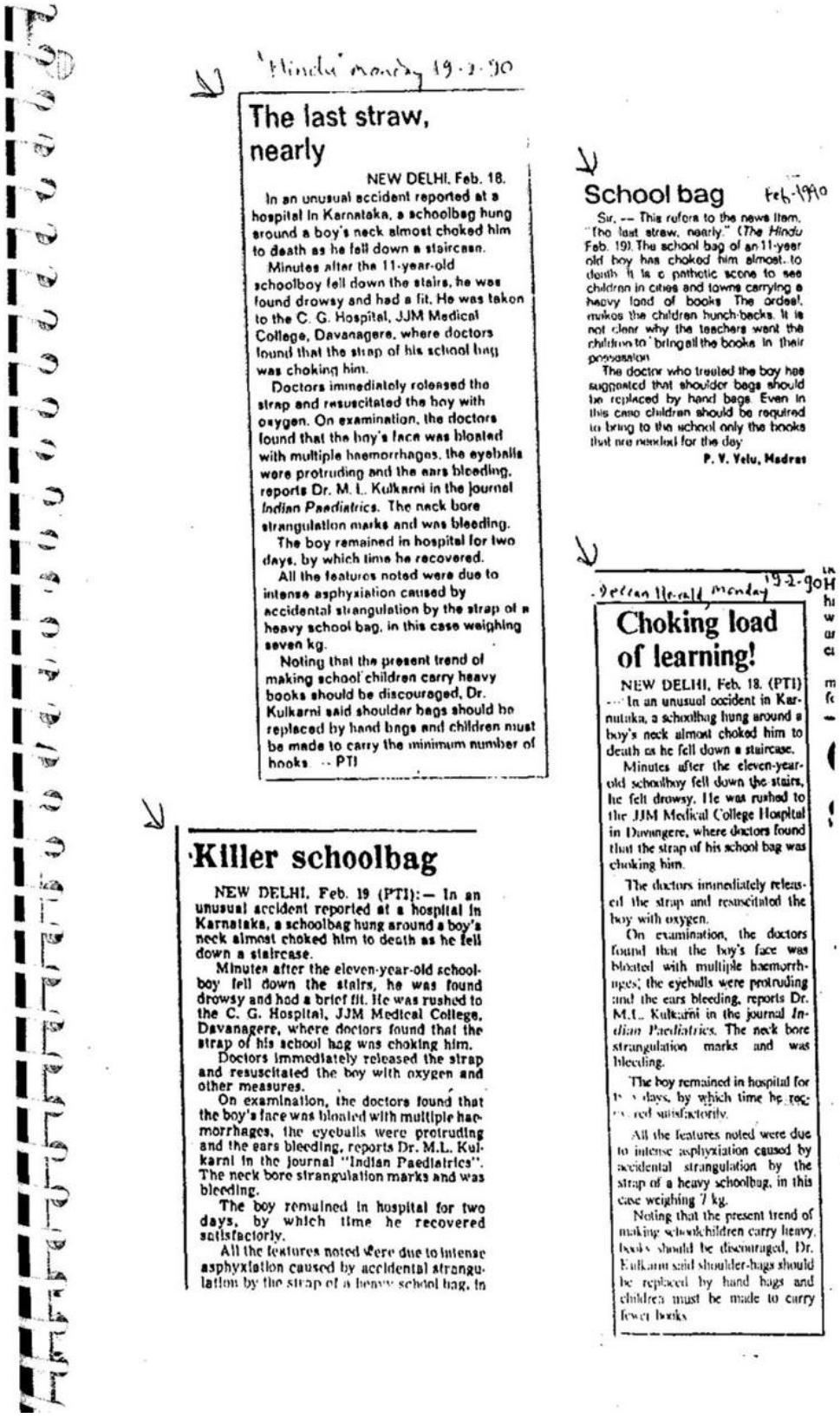
కాఫ్ సిరప్స్ లో ౫౫ శాతం, బాధా నివారణులలో ౫౦ శాతం అల్కహాల్ ఉంటుంది.

ఇలా పిల్లలకు వాడే మందులలో అల్కహాల్ శాతం గణనీయంగా పెరిగిపోవడం చూసి 'అమెరికా అతిసి'హాయ అందోళన చెందుతున్నారు.

మందులలో చక్కెర వలన పిల్లలకు దంత సంబంధమైన జబ్బులు రావచ్చునని తెలుసుకున్నాక అమెరికావారు సిరపేలలో చక్కెర వాడకం మానేశారు. సిరపేలలో వాడే రంగులు, సువాసన కోసం వాడే పదార్థాలు వలన కలిగిచేవగలవని హెచ్చరిస్తున్నారు డా. కులక్ష్మి. ఈ, బి వరే అపి మెడిసిన్స్

Sheet of pasted cuttings in English and Kannada, including a report on the withdrawal of subsidy, notices of a yoga course and a TB Cunha anniversary talk, a paediatricians' meeting notice, and a photograph of paediatric liquid preparations accompanying the coverage of the additives study.

School bag coverage (original page 98)



'Hindu' monday 19-2-90

The last straw, nearly

NEW DELHI, Feb. 18.

In an unusual accident reported at a hospital in Karnataka, a schoolbag hung around a boy's neck almost choked him to death as he fell down a staircase.

Minutes after the 11-year-old schoolboy fell down the stairs, he was found drowsy and had a fit. He was taken to the C. G. Hospital, JJM Medical College, Davanagere, where doctors found that the strap of his school bag was choking him.

Doctors immediately released the strap and resuscitated the boy with oxygen. On examination, the doctors found that the boy's face was bloated with multiple haemorrhages, the eyeballs were protruding and the ears bleeding, reports Dr. M. L. Kulkarni in the journal *Indian Paediatrics*. The neck bore strangulation marks and was bleeding.

The boy remained in hospital for two days, by which time he recovered.

All the features noted were due to intense asphyxiation caused by accidental strangulation by the strap of a heavy school bag, in this case weighing seven kg.

Noting that the present trend of making school children carry heavy books should be discouraged, Dr. Kulkarni said shoulder bags should be replaced by hand bags and children must be made to carry the minimum number of books. -- PTI

School bag

Feb-1990

Sir, -- This refers to the news item, "The last straw, nearly." (*The Hindu* Feb. 19). The school bag of an 11-year old boy has choked him almost to death. It is a pathetic scene to see children in cities and towns carrying a heavy load of books. The ordeal makes the children hunch-backs. It is not clear why the teachers want the children to bring all the books in their possession.

The doctor who treated the boy has suggested that shoulder bags should be replaced by hand bags. Even in this case children should be required to bring to the school only the books that are needed for the day.

P. V. Velu, Madras

Killer schoolbag

NEW DELHI, Feb. 19 (PTI):— In an unusual accident reported at a hospital in Karnataka, a schoolbag hung around a boy's neck almost choked him to death as he fell down a staircase.

Minutes after the eleven-year-old schoolboy fell down the stairs, he was found drowsy and had a brief fit. He was rushed to the C. G. Hospital, JJM Medical College, Davanagere, where doctors found that the strap of his school bag was choking him.

Doctors immediately released the strap and resuscitated the boy with oxygen and other measures.

On examination, the doctors found that the boy's face was bloated with multiple haemorrhages, the eyeballs were protruding and the ears bleeding, reports Dr. M.L. Kulkarni in the journal "Indian Paediatrics". The neck bore strangulation marks and was bleeding.

The boy remained in hospital for two days, by which time he recovered satisfactorily.

All the features noted were due to intense asphyxiation caused by accidental strangulation by the strap of a heavy school bag, in

Deccan Herald monday 19-2-90

Choking load of learning!

NEW DELHI, Feb. 18. (PTI) — In an unusual accident in Karnataka, a schoolbag hung around a boy's neck almost choked him to death as he fell down a staircase.

Minutes after the eleven-year-old schoolboy fell down the stairs, he felt drowsy. He was rushed to the JJM Medical College Hospital in Davangere, where doctors found that the strap of his school bag was choking him.

The doctors immediately released the strap and resuscitated the boy with oxygen.

On examination, the doctors found that the boy's face was bloated with multiple haemorrhages; the eyeballs were protruding and the ears bleeding, reports Dr. M.L. Kulkarni in the journal *Indian Paediatrics*. The neck bore strangulation marks and was bleeding.

The boy remained in hospital for [illegible] days, by which time he recovered satisfactorily.

All the features noted were due to intense asphyxiation caused by accidental strangulation by the strap of a heavy schoolbag, in this case weighing 7 kg.

Noting that the present trend of making schoolchildren carry heavy books should be discouraged, Dr. Kulkarni said shoulder-bags should be replaced by hand bags and children must be made to carry fewer books.

Sheet of pasted cuttings on the school bag paper, including “The last straw, nearly” and “Killer schoolbag” (New Delhi, PTI, February 1990), a letter headed “School bag”, and the *Deccan Herald* item “Choking load of learning!”, all reporting the J.J.M. Medical College study.

Udayavani, Kannada coverage of the school bag study (original page 99)

ಬೆಲೆ 40 ಪೈಸೆ ಸಂಪುಟ - 16 ಸಂಚಿಕೆ 273

ಉದಯವಾಣಿ 24.2.90

ಕೊರಳಿಗೆ ಉರುಳಾದ ಬ್ಯಾಗ್ : ಎಚ್ಚೆತ್ತ ಶಿಕ್ಷಕರು

ದಾವಣಗೆರೆ ಫೆ. 23

ಶಾಲಾಮಕ್ಕಳು ಹೊರುವ ಸ್ಕೂಲ್ ಬ್ಯಾಗ್‌ನ ಹೊರೆಯಿಂದಾಗಿ ಉಸಿರು ಕಟ್ಟಿ ಸಾಯುವಂತಹ ಪರಿಸ್ಥಿತಿ ಮುಟ್ಟಿದ್ದ ಪ್ರಕರಣ ವರದಿಯಾದ ತರುವಾಯ ನಗರದ ಕೆಲ ಶಾಲೆಗಳ ವ್ಯವಸ್ಥಾಪಕರು ಎಚ್ಚೆತ್ತು ಹೆಚ್ಚು ಪುಸ್ತಕಗಳನ್ನು ಹೊರದಂತೆ ಸುತ್ತೋಲೆ ಹೊರಡಿಸಿರುವ ಸಂಗತಿಗಳು ವರದಿಯಾಗಿವೆ.

ಪ್ರಥಮವಾಗಿ ನಗರದ ಡಿ.ಸಿ.ಎಂ. ಶಾಲೆಯ ವ್ಯವಸ್ಥಾಪಕರು ತಮ್ಮ ಶಾಲೆಯ ಮಕ್ಕಳು ವೃಥಾ ಹೆಚ್ಚು ಪುಸ್ತಕ ತರದಂತೆ ಸುತ್ತೋಲೆ ಹೊರಡಿಸಿದ್ದಾರೆ.

ಪತ್ರಿಕೆಯಲ್ಲಿ ವರದಿಯಾದಂತೆ ಪ್ರಕರಣ ಹೀಗೆ ನಡೆದಿದೆ:

ಈ ವಿಚಿತ್ರವಾದ ಅಪಘಾತದ ವಿವರಗಳನ್ನು "ಇಂಡಿಯನ್ ಪೀಡಿಯಾಟ್ರಿಕ್ಸ್" ಪತ್ರಿಕೆಯಲ್ಲಿ ಡಾ. ಎಂ.ಎಲ್. ಕುಲಕರ್ಣಿ ವರದಿ ಮಾಡಿದ್ದಾರೆ.

ಕೊರಳಲ್ಲಿ ಭಾರವಾದ ಶಾಲಾ ಬ್ಯಾಗ್ ನೇತು ಹಾಕಿಕೊಂಡಿದ್ದ 11 ವರ್ಷದ ಶಾಲಾ ಬಾಲಕನೊಬ್ಬ ಮೆಟ್ಟಿಲಿನಿಂದ ಕೆಳಗೆ ಉರುಳಿಬಿದ್ದ.

ಅರೆ ಪ್ರಜ್ಞಾವಸ್ಥೆಯಲ್ಲಿದ್ದ ಬಾಲಕನ ಕೊರಳ ಸುತ್ತ ಇದ್ದ ಬ್ಯಾಗಿನ ಪಟ್ಟಿಯನ್ನು ಕೂಡಲೇ ಸಡಿಲಿಸಲಾಯಿತು. ಉಸಿರುಗಟ್ಟಿದ್ದ ಬಾಲಕನಿಗೆ [illegible] ಮತ್ತಿತರ ಕ್ರಮಗಳ ಮೂಲಕ ಕೃತಕ ಉಸಿರಾಟಕ್ಕೆ ನೆರವು ನೀಡಲಾಗಿದೆ.

ಅಸಂಖ್ಯ ಕಡೆ ರಕ್ತ ಹೆಪ್ಪುಗಟ್ಟಿದ ಪರಿಣಾಮವಾಗಿ ಬಾಲಕನ ಮುಖ ಊದಿಕೊಂಡಿದ್ದು ವೈದ್ಯಕೀಯ ಪರೀಕ್ಷೆಯಲ್ಲಿ ಪತ್ತೆಯಾಯಿತು. ಕಣ್ಣು ಗುಡ್ಡೆಗಳು ಹೊರಚಾಚಿದಂತಿದ್ದು ಕಿವಿಯಲ್ಲಿ ರಕ್ತಸ್ರಾವವಾಗುತ್ತಿದ್ದ ಬಾಲಕನ ಕುತ್ತಿಗೆಯಲ್ಲಿ ನೇಣು ಹಾಕಿದಂತಹ ಗುರುತುಗಳಿದ್ದವು. ಕುತ್ತಿಗೆಯಲ್ಲೂ ಊತವಿತ್ತು.

ಎರಡು ದಿನಗಳ ಕಾಲ ಆಸ್ಪತ್ರೆಯಲ್ಲಿ ಚಿಕಿತ್ಸೆ ನೀಡಿದ ನಂತರ ಬಾಲಕ ತೃಪ್ತಿಕರವಾಗಿ ಚೇತರಿಸಿಕೊಂಡ.

7 ಕೆ.ಜಿ. ತೂಕವಿದ್ದ ಭಾರೀ ಶಾಲಾ ಬ್ಯಾಗಿನ ಪಟ್ಟಿ ಆಚಾನಕ್ಕಾಗಿ ಕುತ್ತಿಗೆಯ ಸುತ್ತ ಉರುಳಾಗಿ ಸುತ್ತಿಕೊಂಡಿದ್ದರಿಂದ ಬಾಲಕನಿಗೆ ಉಸಿರಾಟಕ್ಕೆ ತೊಂದರೆಯಾಯಿತು ಎಂದು ಡಾ॥ ಕುಲಕರ್ಣಿ ಹೇಳಿದ್ದಾರೆ.

ಶಾಲಾಮಕ್ಕಳು ಭಾರವಾದ ಪುಸ್ತಕಗಳನ್ನು ಶಾಲೆಗೆ ಒಯ್ಯುವಂತಹ ಪದ್ಧತಿಯನ್ನು ನಿಲ್ಲಿಸಬೇಕು. ಭುಜಕ್ಕೆ ನೇತು ಹಾಕಿಕೊಳ್ಳುವ ಚೀಲಗಳಿಗೆ ಬದಲಾಗಿ ಕೈಯಲ್ಲಿ ಹಿಡಿದು ಹೋಗುವಂತಹ ಬ್ಯಾಗುಗಳಿಗೆ ಉತ್ತೇಜನ ನೀಡಬೇಕು. ಅಲ್ಲದೆ ಶಾಲೆಗಳಿಗೆ ಕಡಿಮೆ ಪ್ರಮಾಣದ ಪುಸ್ತಕಗಳನ್ನು ಒಯ್ಯುವಂತಹ ವಿಧಾನವನ್ನು ರೂಪಿಸಬೇಕು ಎಂದು ಡಾ॥ ಕುಲಕರ್ಣಿ ತಮ್ಮ ವರದಿಯಲ್ಲಿ ಸಲಹೆ ನೀಡಿದ್ದಾರೆ.

ಉದಯವಾಣಿ

ಯಮ ಪಾಶವಾದ ಶಾಲಾ ಚೀಲ

ಹೊಸದಿಲ್ಲಿ, ಫೆ. 19: ಖ್ಯಾತ ಸಾಹಿತಿಗಳಾದ ಡಾ। ಆರ್. ಕೆ. ನಾರಾಯಣ್, ಡಾ। ಕೆ. ಶಿವರಾಮ ಕಾರಂತರು ತೀವ್ರ ವಿರೋಧ ವ್ಯಕ್ತಪಡಿಸಿರುವ ದುರ್ಭಾರದ ಶಾಲಾ ಚೀಲವು 11 ವರ್ಷ ಪ್ರಾಯದ ಶಾಲಾ ಬಾಲಕನೊಬ್ಬನಿಗೆ ಅಕ್ಷರಶಃ ಯಮ ಪಾಶವಾದ ಪ್ರಕರಣವೊಂದನ್ನು ದಾವಣಗೆರೆ ಸಿ. ಜಿ. ಆಸ್ಪತ್ರೆಯ ವೈದ್ಯರಾದ ಡಾ। ಎಂ. ಎಲ್. ಕುಲಕರ್ಣಿ ವರದಿ ಮಾಡಿದ್ದಾರೆ.

"ಇಂಡಿಯನ್ ಪೀಡಿಯಾಟ್ರಿಕ್ಸ್" ಜರ್ನಲ್‌ನಲ್ಲಿ ಈ ಪ್ರಕರಣವನ್ನು ವಿವರಿಸಿರುವ ಡಾ। ಕುಲಕರ್ಣಿ, ಹುಡುಗ ಕುತ್ತಿಗೆ ಸುತ್ತ ಹಾಕಿದ 7 ಕಿಲೋಗ್ರಾಂ ಭಾರದ ಶಾಲಾ ಚೀಲದ ದಾರಿ ಅವನ ಕುತ್ತಿಗೆಯನ್ನು ಬಿಗಿ ಹಿಡಿದು ಸಾಯಿಸುವುದರಲ್ಲಿತ್ತೆಂದು ಹೇಳಿದ್ದಾರೆ. ಉಸಿರು ಬಿಗಿ ಹಿಡಿಯಲ್ಪಟ್ಟ ಹುಡುಗ ಶಾಲೆಗೆ ಮೆಟ್ಟಿಲಿನಿಂದ ಉರುಳಿ ಬಿದ್ದಿದ್ದ. ಬಿದ್ದ ಕೆಲವೇ ನಿಮಿಷಗಳಲ್ಲಿ ನಿಶ್ಚೇಷ್ಟಿತನಾಗಿ ಆತಂಕದ ಸ್ವಲ್ಪ ಕಾಲ ಪ್ರಜ್ಞೆ ಬಂದ ಹಾಗಾಗಿತ್ತು. ಹುಡುಗನನ್ನು ಆಸ್ಪತ್ರೆಗೆ ಒಯ್ದು ಪರೀಕ್ಷಿಸಿದಾಗ ಚೀಲದ ದಾರಿ ಅವನ ಕುತ್ತಿಗೆಗೆ ಬಿಗಿದು ಶ್ವಾಸ ಕಟ್ಟಿದ್ದು ಗೊತ್ತಾಯಿತು. ಬಿಗಿದ ದಾರಿಯನ್ನು ಸಡಿಲಿಸಿ ಆಕ್ಸಿಜನ್ ನೀಡಿ ಮತ್ತಿತರ ಕ್ರಮಗಳಿಂದ ಆತನಲ್ಲಿ ಪ್ರಜ್ಞೆ ಮೂಡಿಸಲಾಯಿತು. ಎರಡು ದಿನಗಳ ಬಳಿಕ ಆತ ತೃಪ್ತಿಕರವಾಗಿ ಚೇತರಿಸಿಕೊಂಡ. ಮುಖದಲ್ಲಿ ಅಲ್ಲಲ್ಲಿ ರಕ್ತಸ್ರಾವ, ಕಿವಿಯೊಳಗೆ ರಕ್ತಸ್ರಾವ, ಕಣ್ಣುಗುಡ್ಡೆ ಹೊರ ಬರುವುದು ಮೊದಲಾದ ಲಕ್ಷಣಗಳಲ್ಲದೆ ಕುತ್ತಿಗೆ ಬಳಿ ಗುರುತು ಮತ್ತು ರಕ್ತ ಸ್ರಾವವೂ ಆಗಿತ್ತು. ಇಂತಹ ದುರಂತಕಾರಿ ಅಪಾಯಗಳನ್ನು ತಂದೊಡ್ಡುವ ದುರ್ಭಾರದ ಚೀಲ ಒಯ್ಯುವ ಪದ್ಧತಿಯನ್ನು ನಿಲ್ಲಿಸಬೇಕೆಂದು ಡಾ। ಕುಲಕರ್ಣಿ ಹೇಳಿದ್ದಾರೆ.

Kannada-language press cutting from *Udayavani*, under a headline that translates as “the bag that has become a noose round the neck”, reporting the same study.

PART VII

National service and leadership roles; the PubMed record

Original pages 100–113.

National service development and leadership roles

The following was written by hand on the response form of the Royal College of Paediatrics and Child Health, against the printed question: *"2. National service development leadership roles, including leadership roles in medical campaigns, or with medical committees e.g. UNICEF, WHO, Red Cross or other major medical charities."*

1. *37 years of teaching paediatrics for both undergraduates and postgraduates at J.J.M. Medical College, Davangere, Karnataka, India.*
2. *Recipient of the prestigious Dr. B. C. Roy National Award of the Medical Council of India as an Eminent Medical Teacher in the year 1994.*
3. *Recipient of the Best Teacher Award from Rajiv Gandhi University of Health Sciences, Bangalore, in the year 2002.*
4. *Member, Board of Studies, Department of Medical Genetics at Sanjay Gandhi Postgraduate Institute, Raebareli Road, Lucknow, India.*
5. *Member, Board of Studies, Rajiv Gandhi University of Health Sciences, Bangalore, India.*
6. *Member, editorial board of the following journals:*
   - **a)** *Indian Paediatrics (27 years)*
   - **b)** *Indian Journal of Paediatrics (20 years)*
   - **c)** *Medical Journal of Rajiv Gandhi University of Health Sciences*
   - **d)** *National Medical Journal of India*
   - **e)** *Indian Journal of Practical Paediatrics, etc.*
7. *Founder and founder president — Karnataka Haemophilia Society, Davangere, Karnataka, India, from 1989 to 2000.*
8. *Founder co-ordinator of the DNA Research Laboratory at the Applied Genetics Department, Karnataka University, Dharwad-3, Karnataka, India (a Government of India, Karnataka undertaking).*
9. *Fellowship in medical genetics in the UK during 1984–85 at East Birmingham Hospital, Birmingham, UK.*
10. *Elected member of the British Paediatric Association (member no. KU2347, dated 30.4.90).*
11. *Was elected to Fellowship of the RCPCH in 1997, but due to financial constraints was unable to pay the fees (letter to this effect attached, with the letter dated 11.7.97 from RCPCH).*
12. *International member, American Academy of Paediatrics.*

A second printed question on the same sheet reads: *"3. An examiner or proposed examiner for the College. Please attach a letter or an email from RCPCH Assessment department to confirm examiner/proposed examiner status."* No answer was written against it.

Publications in indexed journals — PubMed record

Retyped from the PubMed printout headed “Indexed Journal Articles” (original pages 106–113). The numbering is that of the printout, most recent first.

1. Kulkarni GD, Kulkarni SS, Kadakol GS, Kulkarni BB, Kyamangoudar PH, Lakkakula BV, Thangaraj K, Shepur TA, Kulkarni ML, Gai PB. Molecular basis of β-thalassemia in Karnataka, India. *Genet Test Mol Biomarkers.* 2011 Oct 6 [Epub ahead of print]. PMID: 21978377.

2. Kulkarni ML, Kulkarni AJ, Pujar MS, Patil AK, Shanbhag MM, Singanal H, Kulkarni AM. Cystic bone tuberculosis. *Indian J Pediatr.* 2011 Jun 10 [Epub ahead of print]. PMID: 21660404.

3. Briggs TA, Rice GI, Daly S, Urquhart J, Gornall H, Bader-Meunier B, Baskar K, Baskar S, Baudouin V, Beresford MW, Black GC, Dearman RJ, de Zegher F, Foster ES, Francès C, Hayman AR, Hilton E, Job-Deslandre C, Kulkarni ML, Le Merrer M, Linglart A, Lovell SC, Maurer K, Musset L, Navarro V, Picard C, Puel A, Rieux-Laucat F, Roifman CM, Scholl-Bürgi S, Smith N, Szynkiewicz M, Wiedeman A, Wouters C, Zeef LA, Casanova JL, Elkon KB, Janckila A, Lebon P, Crow YJ. Tartrate-resistant acid phosphatase deficiency causes a bone dysplasia with autoimmunity and a type I interferon expression signature. *Nat Genet.* 2011 Feb;43(2):127-31. Epub 2011 Jan 9. PMID: 21217755; PMCID: PMC3030921.

4. Ramya SG, Kulkarni ML. Bullying among school children: prevalence and association with common symptoms in childhood. *Indian J Pediatr.* 2011 Mar;78(3):307-10. Epub 2010 Oct 20. PMID: 20960076.

5. Kulkarni ML, Basha MH, Hegade S, Kumarasamy TA, Kulkarni AM. Antenatal diagnosis of Larsen syndrome. *Indian J Pediatr.* 2010 Jul;77(7):819-20. PMID: 20589471.

6. Kulkarni AM, Baskar S, Kulkarni ML, Kulkarni AJ, Mahuli AV, Vittalrao S, Kulkarni PM. Fetal intracranial calcification: pseudo-TORCH phenotype and discussion of related phenotypes. *Am J Med Genet A.* 2010 Apr;152A(4):930-7. PMID: 20358603.

7. Baskar S, Kulkarni ML, Kulkarni AM, Vittalrao S, Kulkarni PM. Adams-Oliver syndrome: additions to the clinical features and possible role of BMP pathway. *Am J Med Genet A.* 2009 Aug;149A(8):1678-84. PMID: 19606482.

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Handwritten additions to the printout

Kulkarni SS, Kulkarni ML, Gai PB. A comparative study of cDNA microarray analysis of familial and sporadic breast cancer in India. J Med Genet and Genomics 2012; 4(1): 6-12. [Written across the foot of original page 113 and struck through.]

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103. *Kulkarni SS, Kulkarni BB, … Kulkarni ML, Gai PB. Expression profiling of buccal gene in familial … [the entry runs off the foot of the original page and is incomplete].*

A further handwritten note at the foot of original page 106 reads: *Kulkarni ML, Bhagyavathi M, Kumar S, Kurian B, Jayamony G. 1991: Nail patella syndrome — a study of 37 cases. Am J Human Genetics 1991; 49 (4 suppl): 145.*

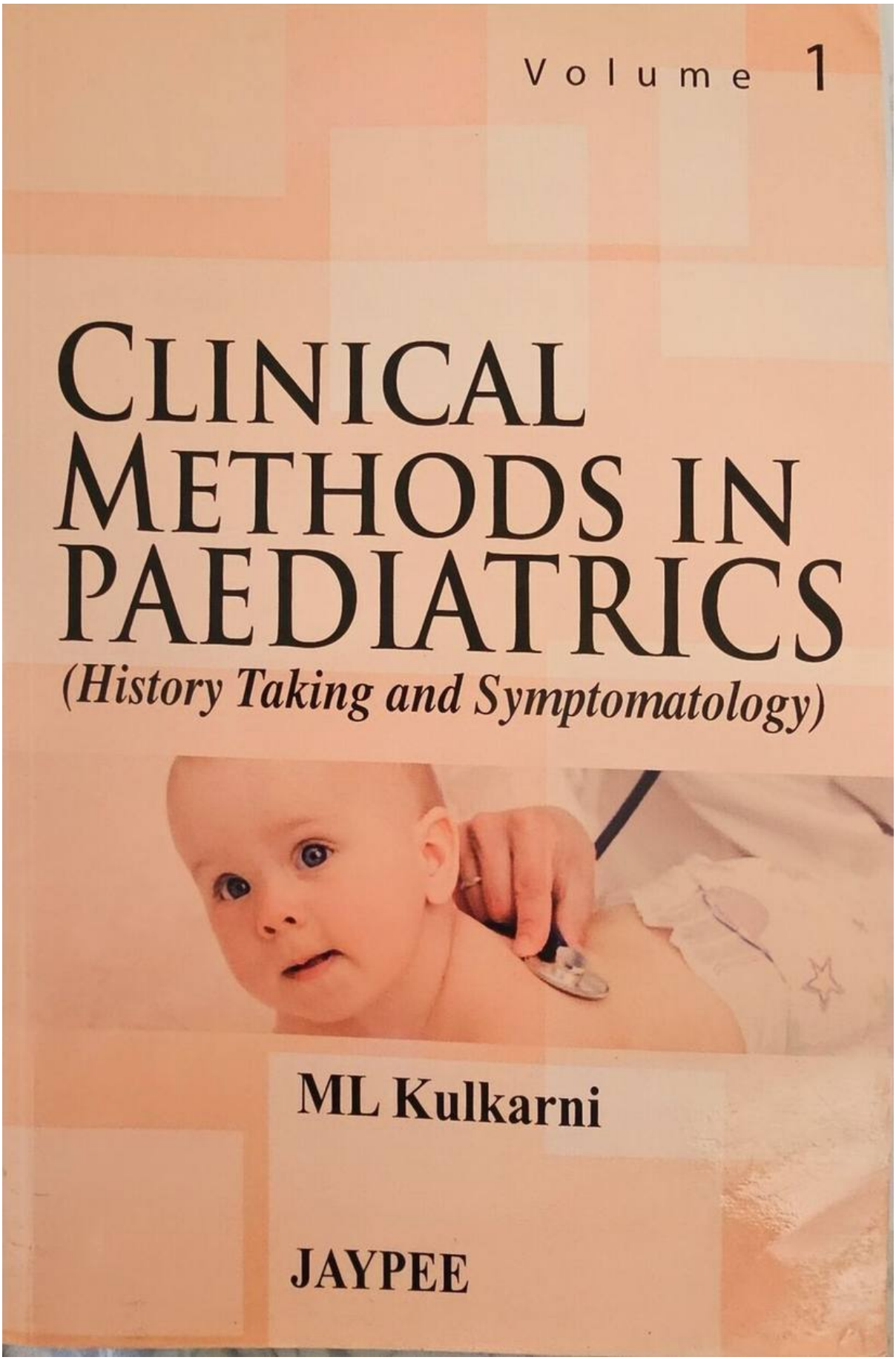
End of the revised edition

Parts 1 to 7 together cover all 113 pages of the original file. Two points to carry forward: the genetics narrative on original page 50 breaks off in mid-sentence and no continuation sheet is present in the file; and entry 126 of the non-indexed journal list (Part 4) is absent, page 43 ending at entry 125 and page 44 resuming at 127.

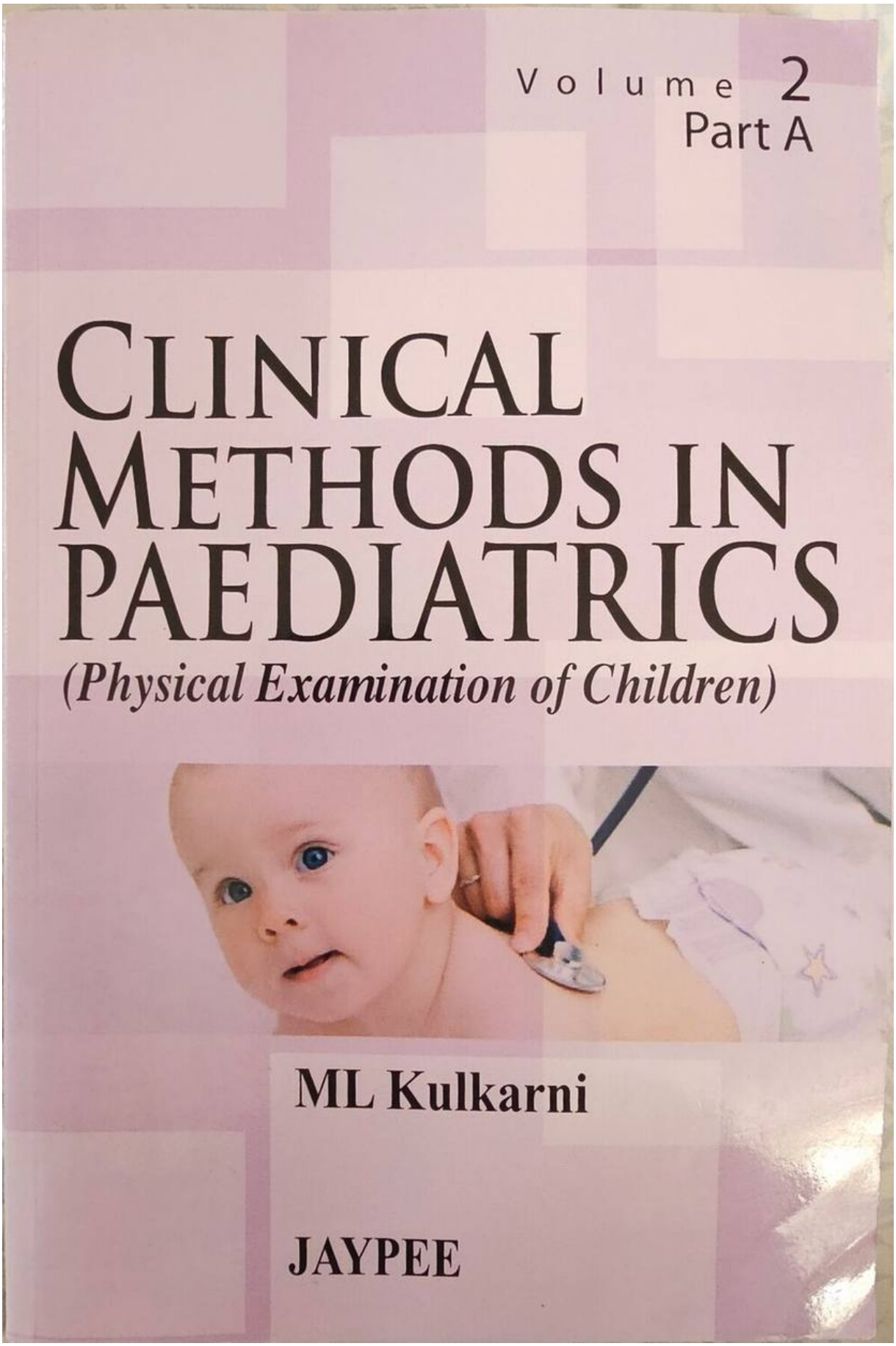
PART VIII

Books and awards — photographs

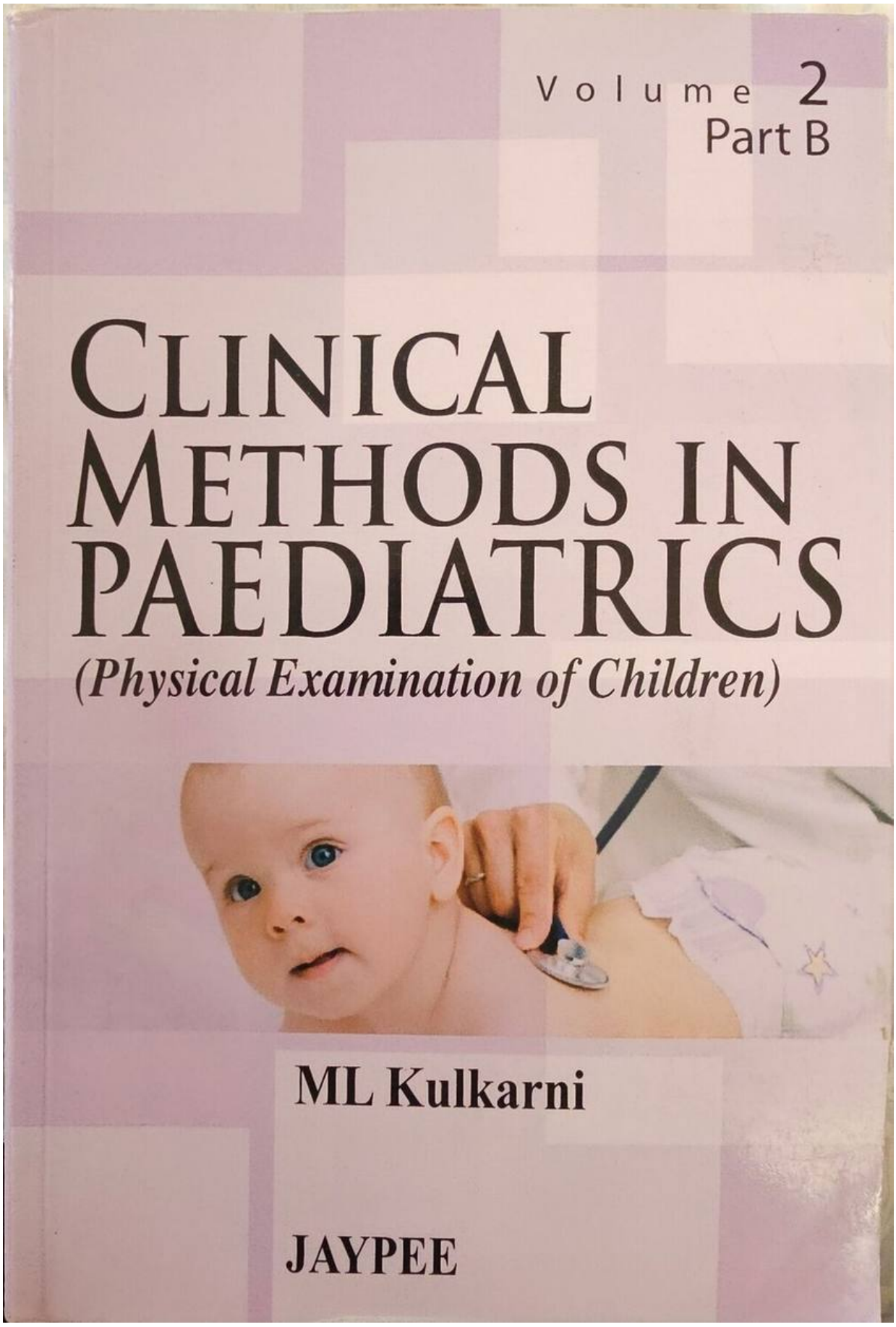
Photographs of the published volumes, of the textbooks carrying his chapters, and of the awards and honours.



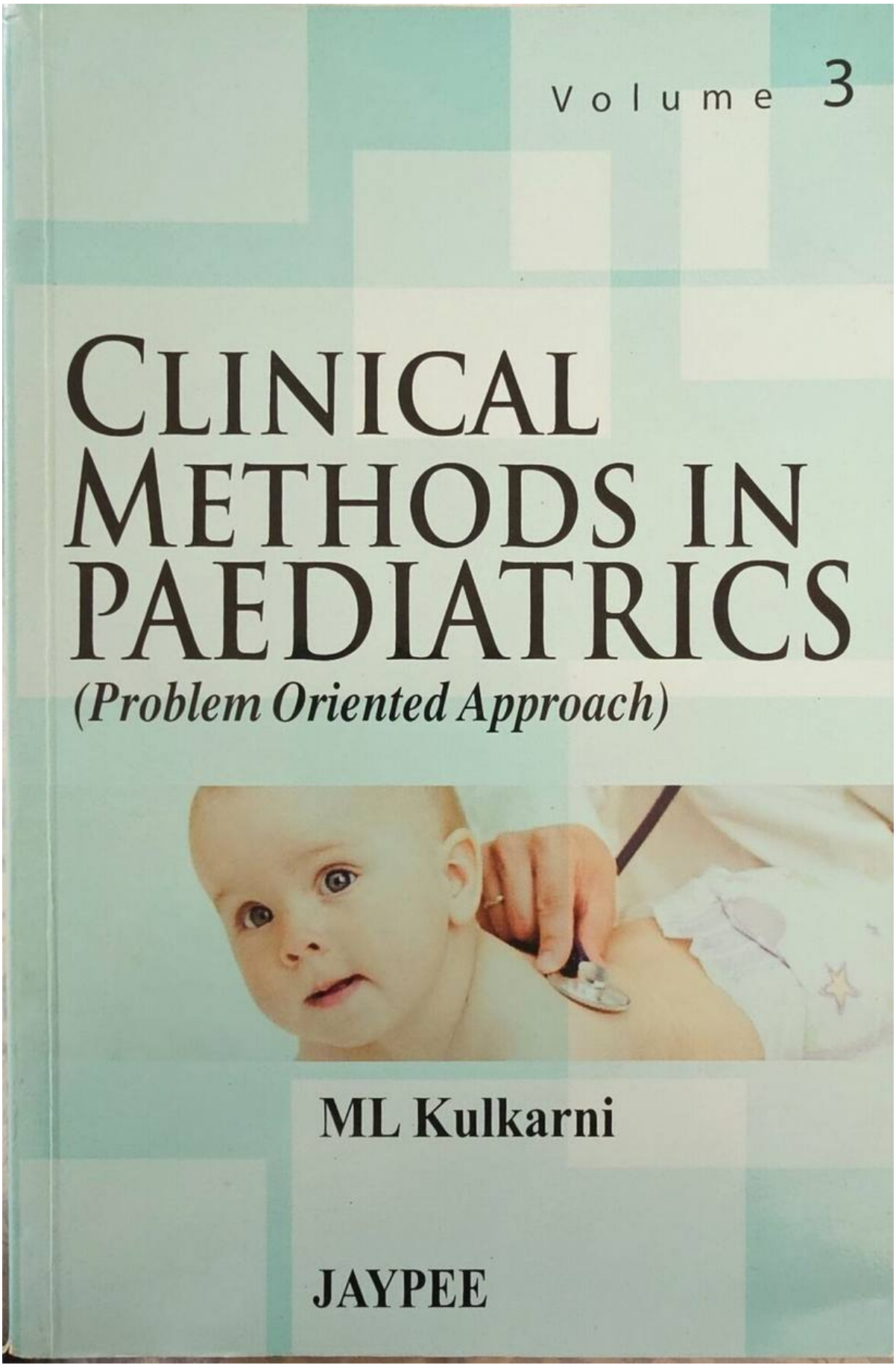
Clinical Methods in Paediatrics, Volume 1 — History Taking and Symptomatology. Jaypee, sole author.



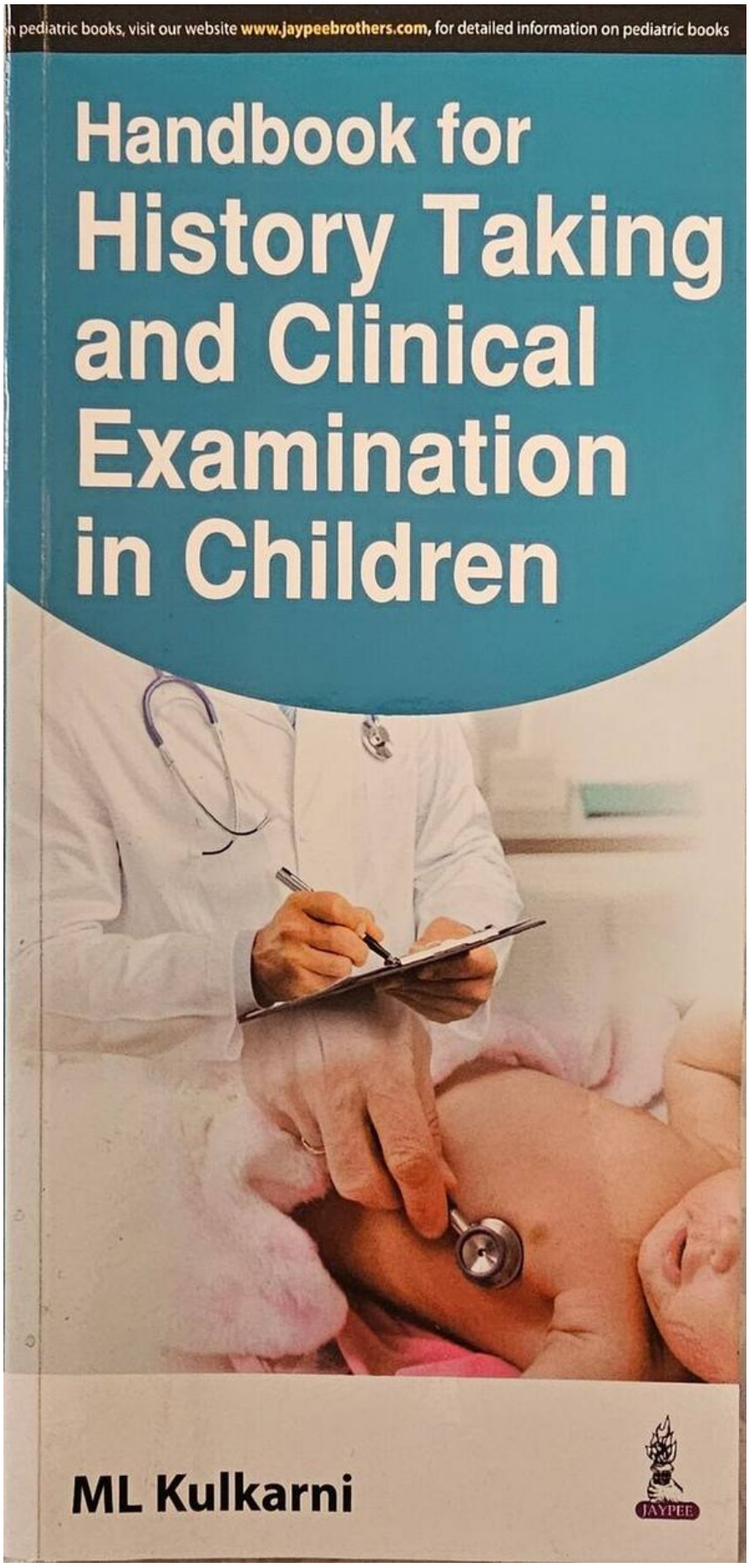
Clinical Methods in Paediatrics, Volume 2 Part A — Physical Examination of Children.



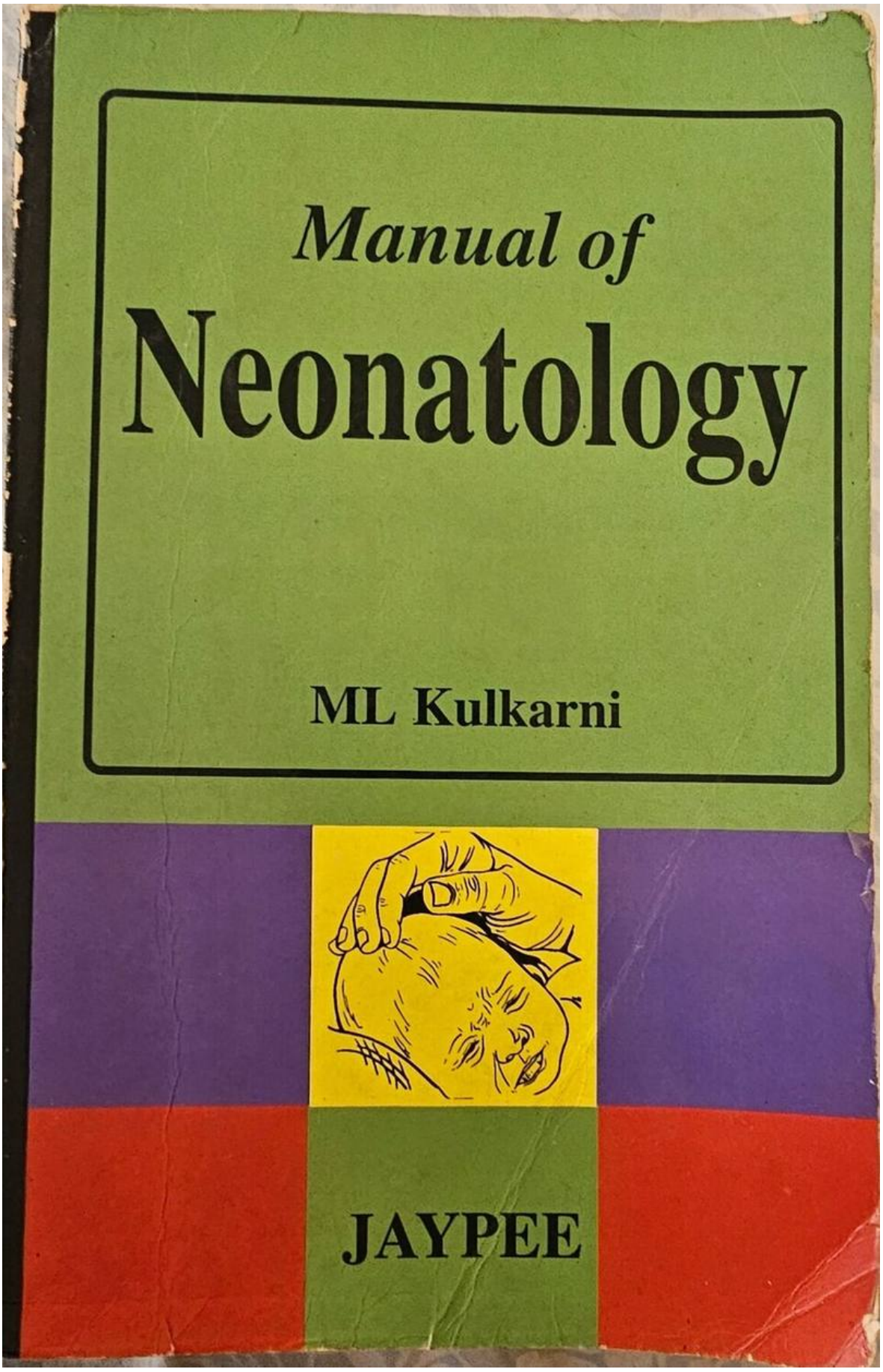
Clinical Methods in Paediatrics, Volume 2 Part B — Physical Examination of Children.



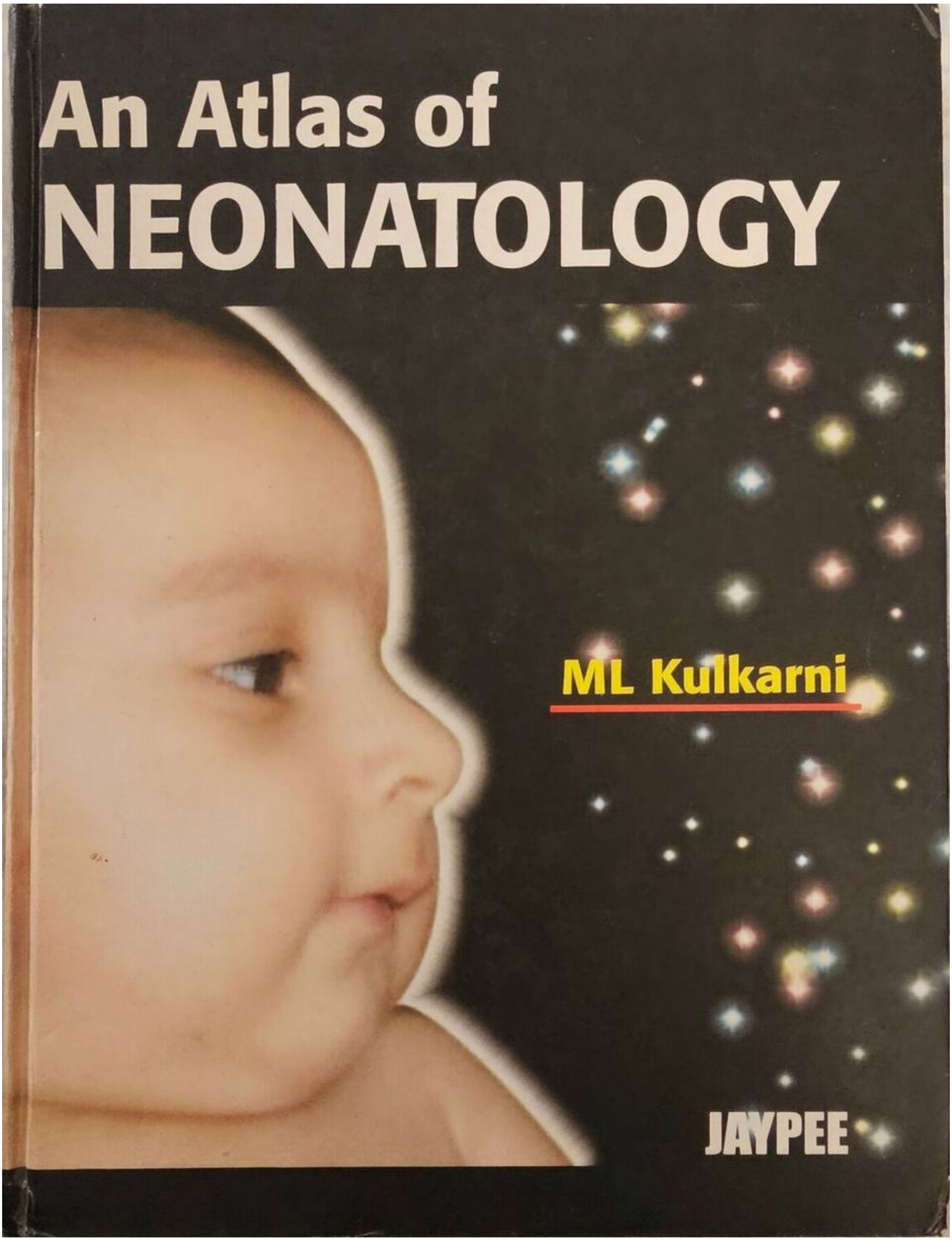
Clinical Methods in Paediatrics, Volume 3 — Problem Oriented Approach.



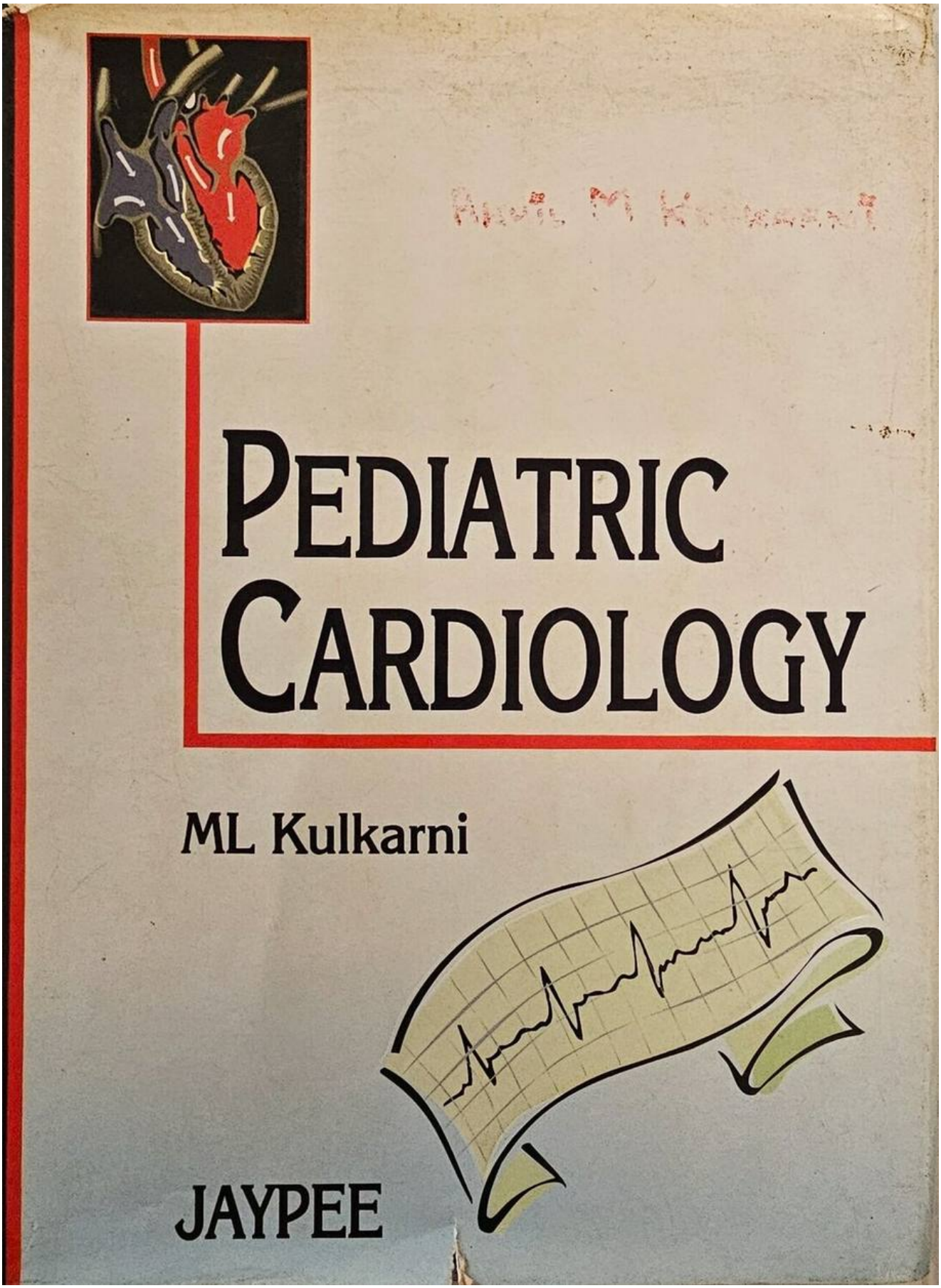
Handbook for History Taking and Clinical Examination in Children. Jaypee.



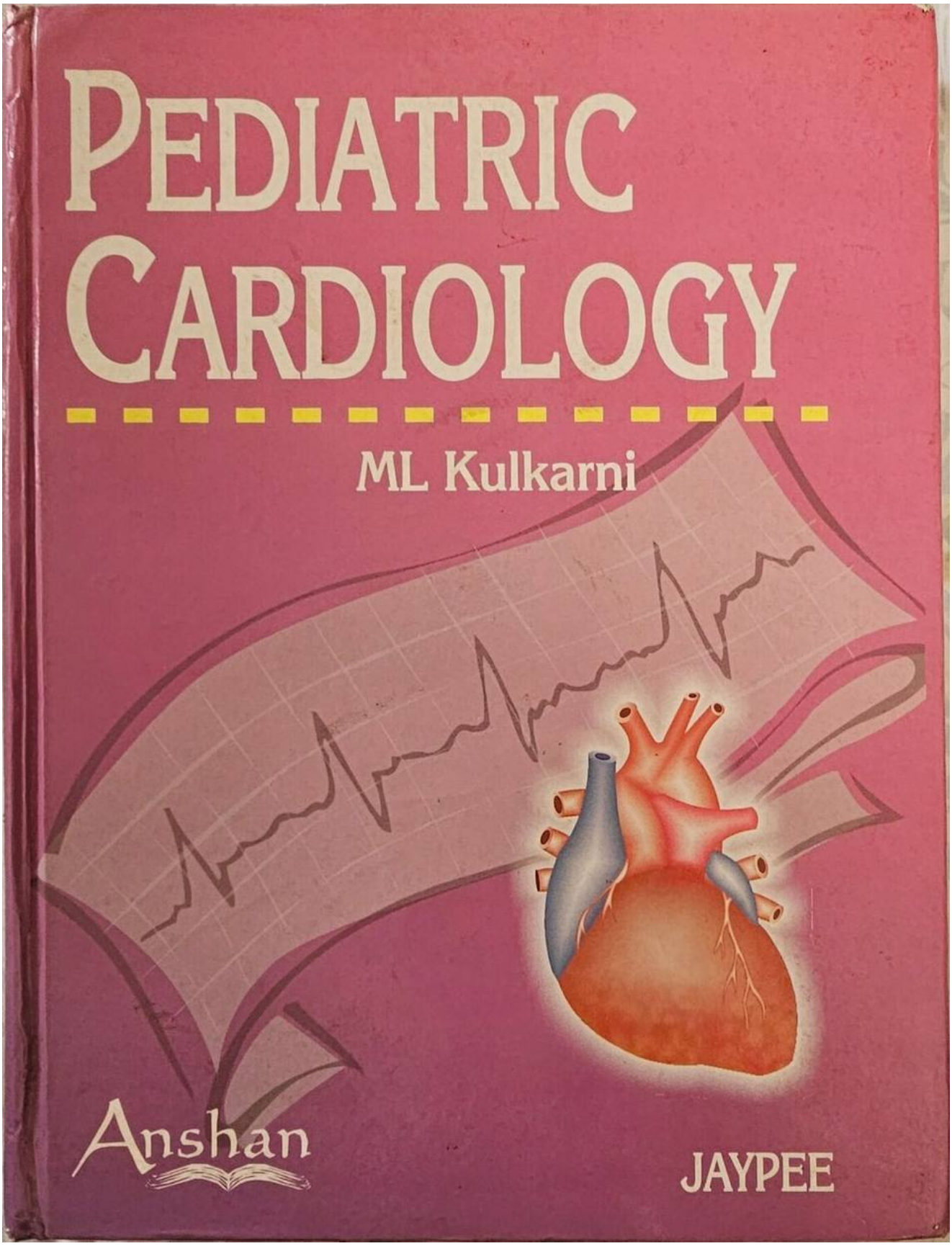
Manual of Neonatology. Jaypee.



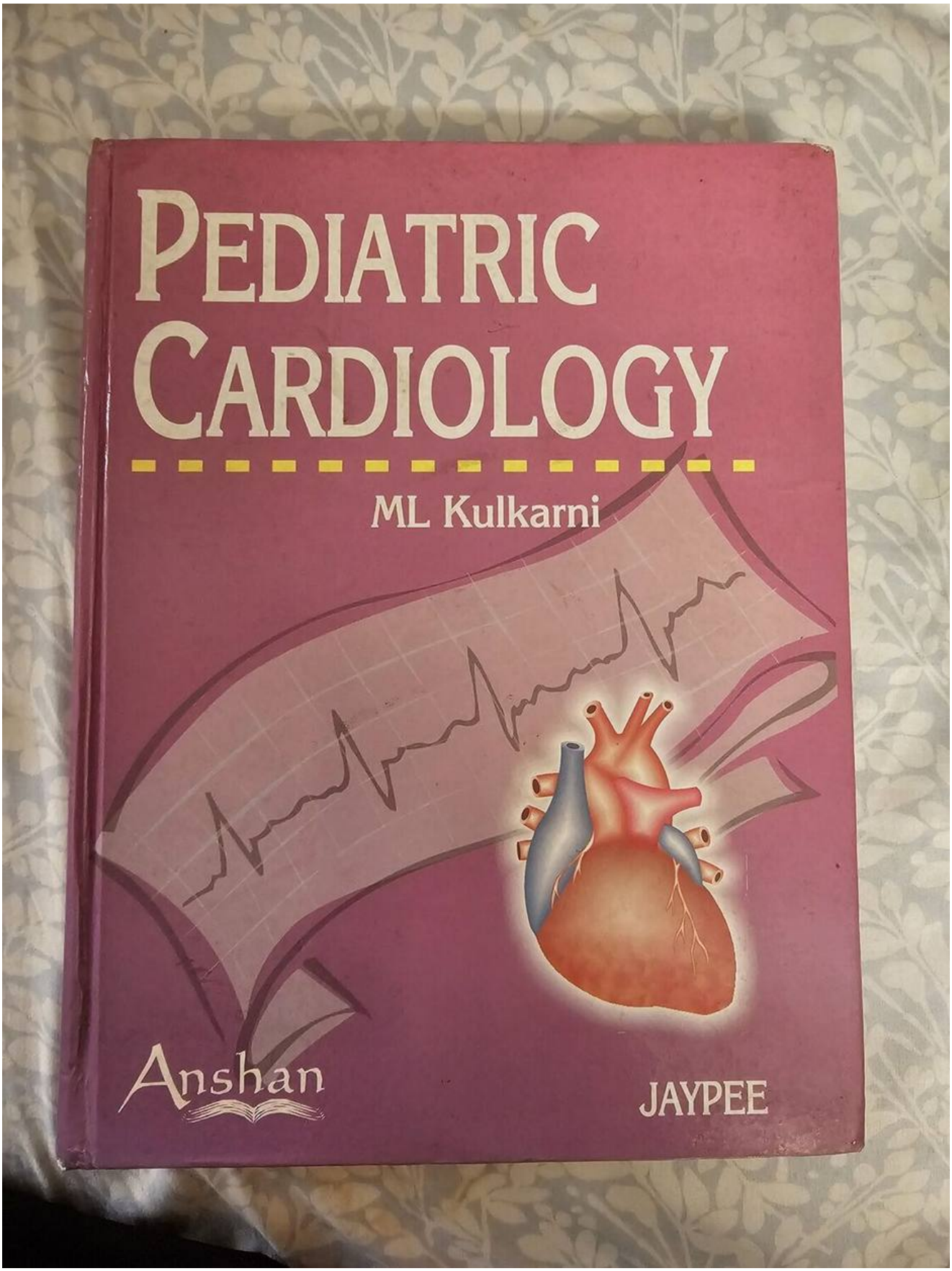
An Atlas of Neonatology. Jaypee; translated into Chinese and Korean.



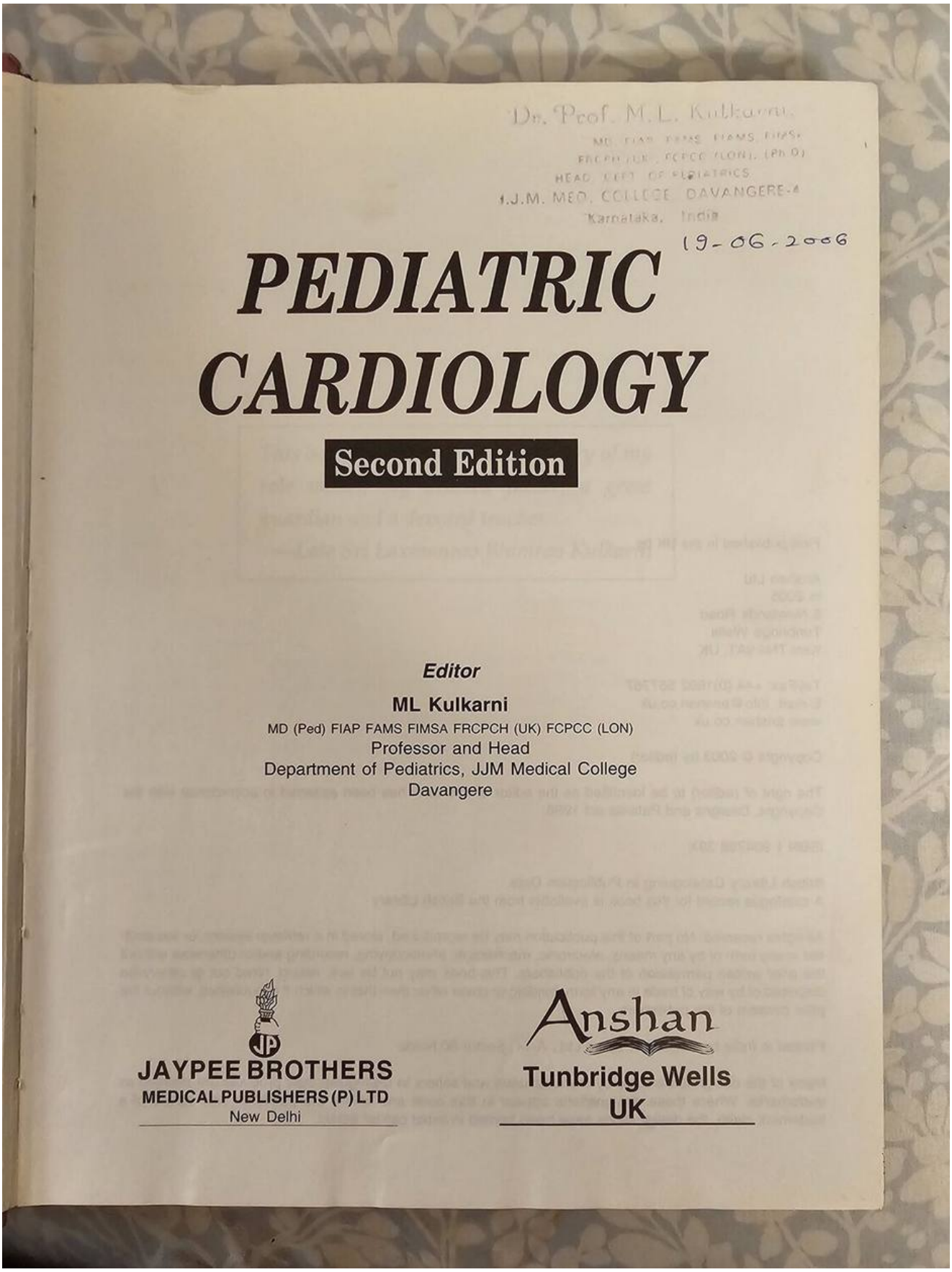
Pediatric Cardiology, first edition. Jaypee.



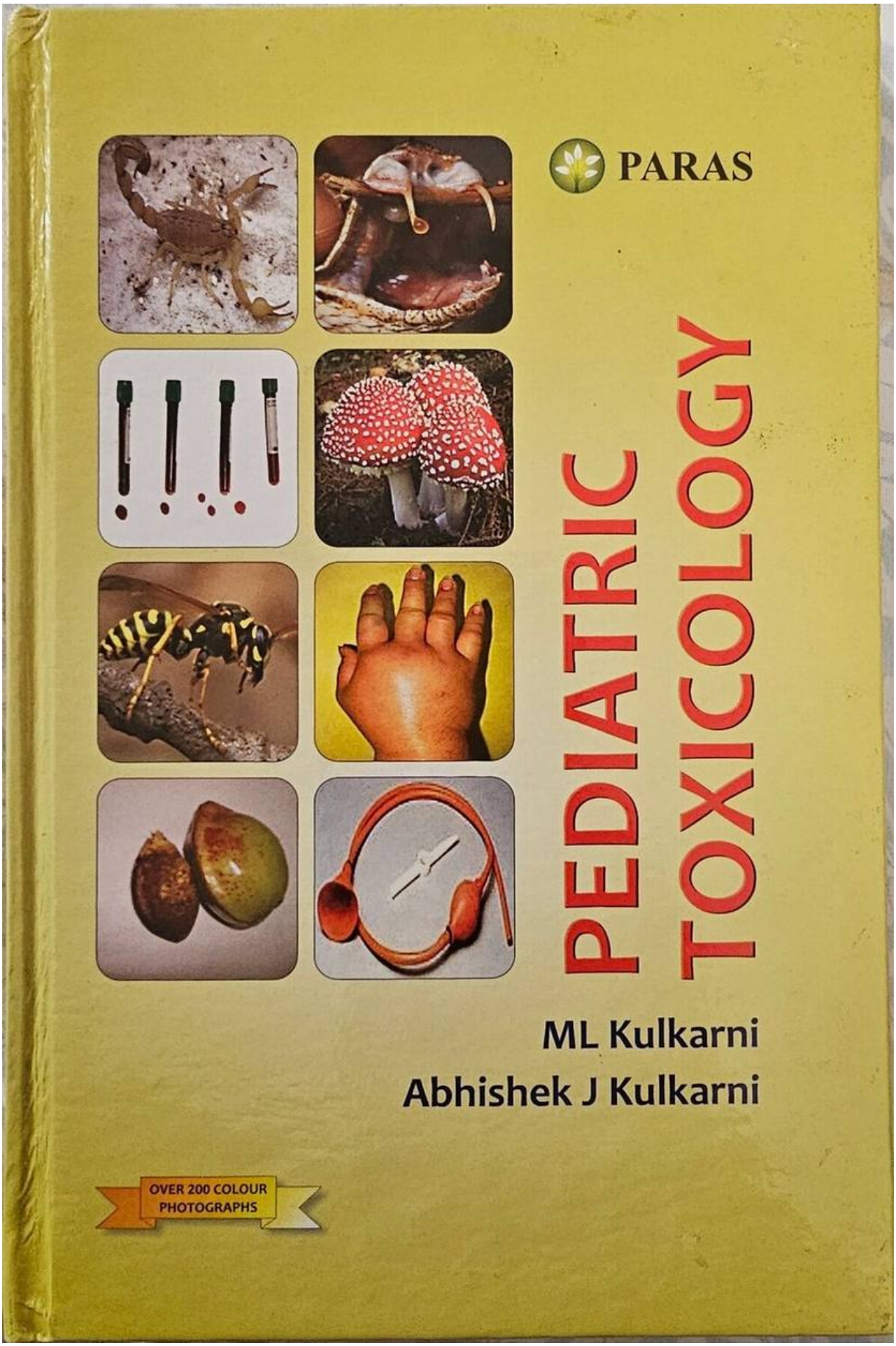
Pediatric Cardiology, second edition. Jaypee, New Delhi and Anshan Publishers, Tunbridge Wells, UK.



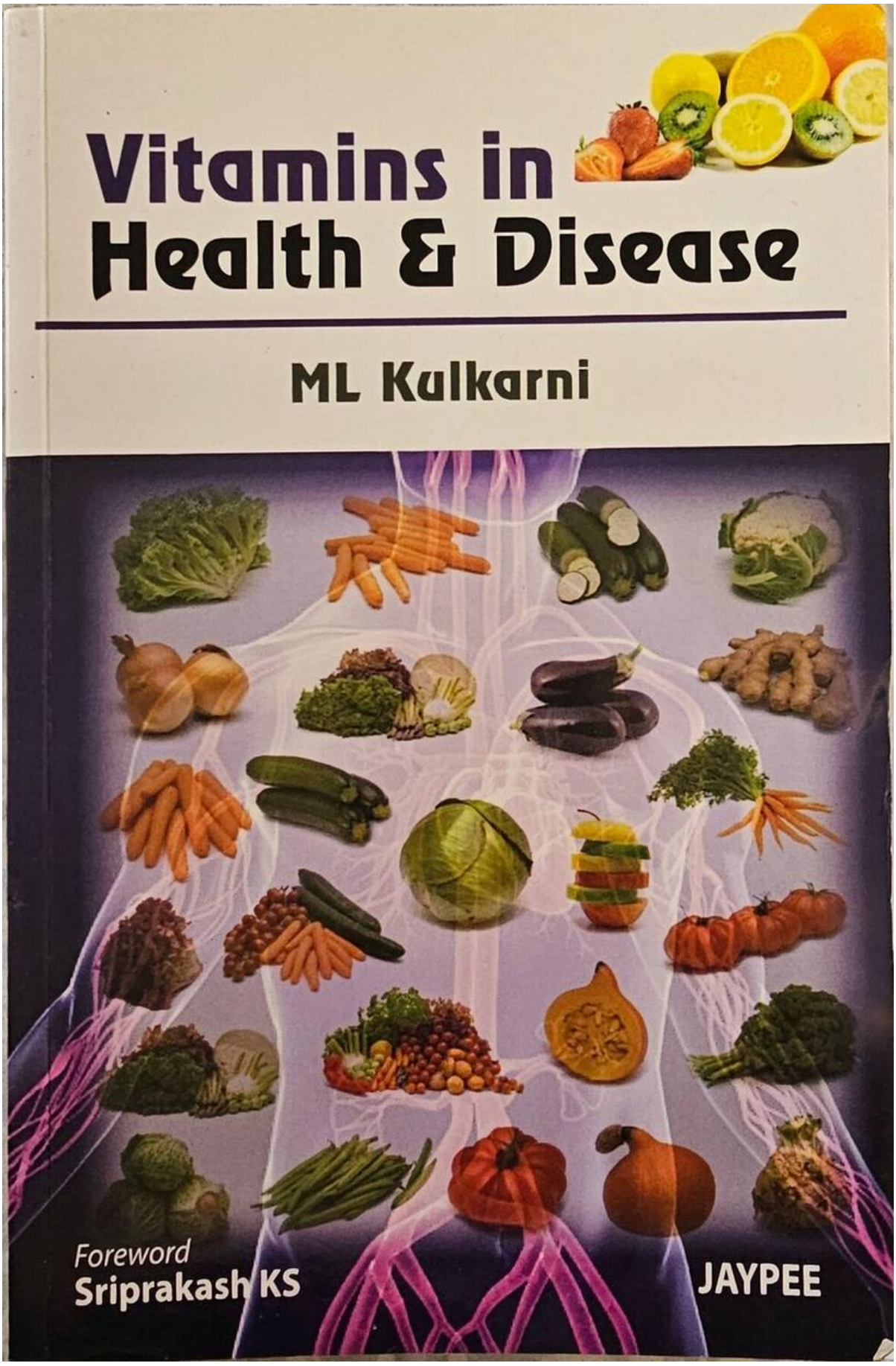
Pediatric Cardiology, second edition — another view of the same volume.



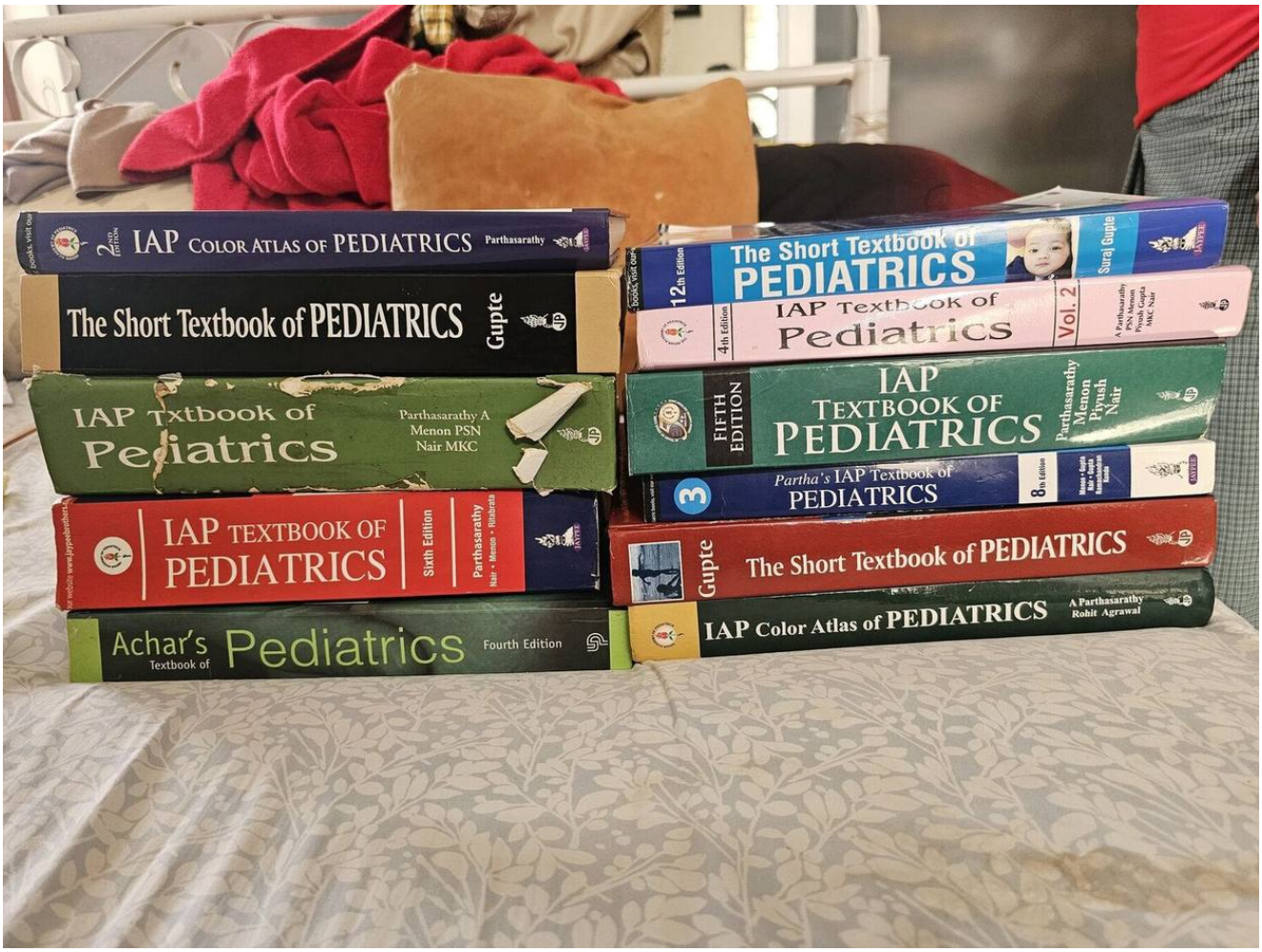
Pediatric Cardiology, second edition — title page, showing the editorship and the two publishers.



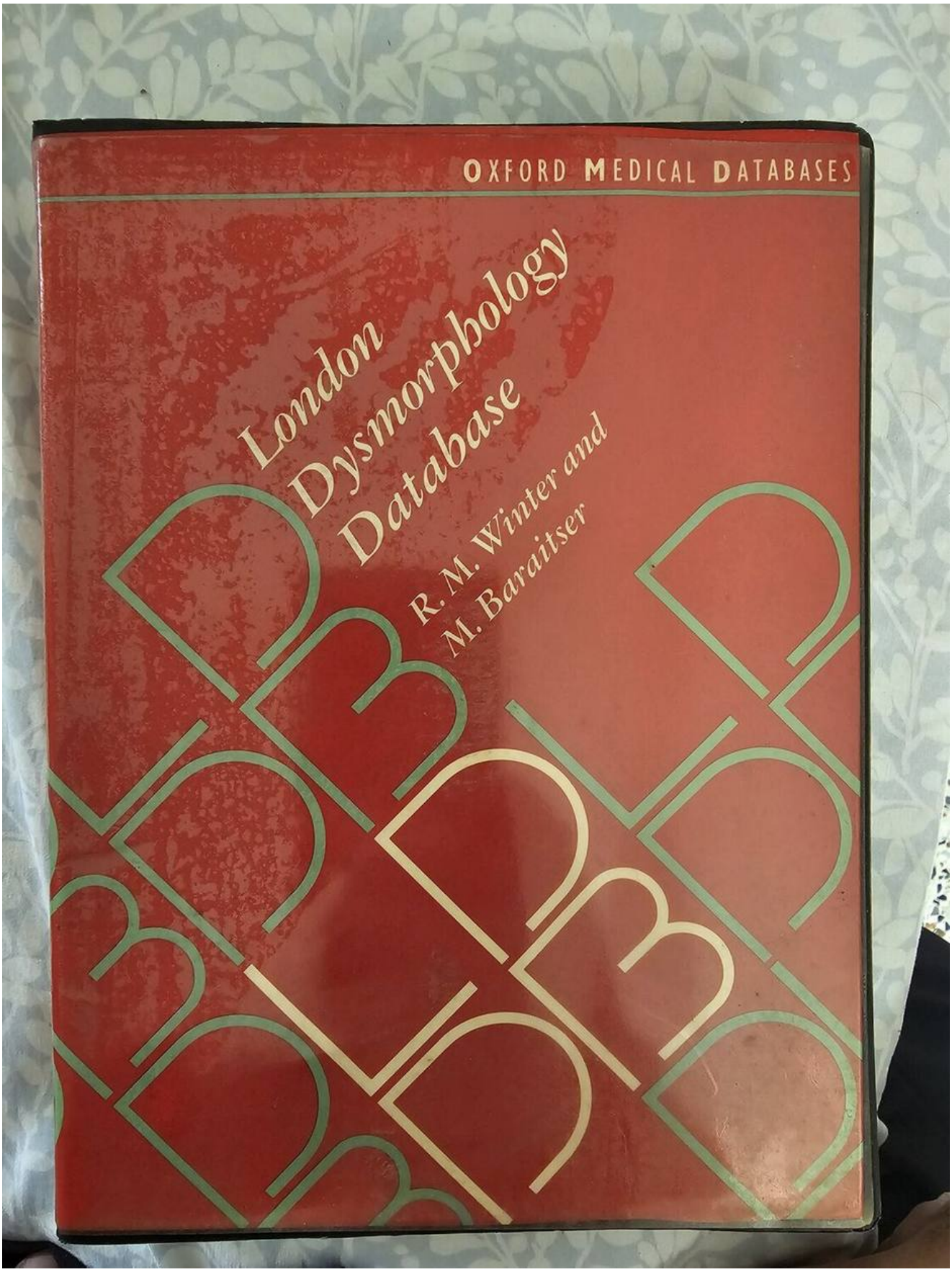
Pediatric Toxicology, with Abhishek J Kulkarni. Paras Medical Publishers.



Vitamins in Health & Disease. Jaypee; foreword by Sriprakash KS.



Textbooks carrying chapters by Dr. Kulkarni — the IAP Textbook of Pediatrics (four editions), the IAP Color Atlas of Pediatrics, Gupte's Short Textbook of Pediatrics and Achar's Textbook of Pediatrics.



London Dysmorphology Database (Winter and Baraitser), Oxford Medical Databases, in which Grebe syndrome and Waardenburg syndrome were recorded from Davangere.



The Dr. B. C. Roy National Award medal of the Medical Council of India, 1994.



Receiving the Dr. B. C. Roy National Award.



At the award ceremony.



Indian Medical Association, Davanagere — Lifetime Achievement Award conferred on Dr. Kulkarni M. L.



Bapuji Child Health Institute and Research Centre — token of honour presented to Dr. M. L. Kulkarni at the 25th Silver Jubilee celebration, 17–18 December 2022.

PART IX

Recommendations and testimonials for the Padma Shri

Letters received in support of the nomination.

Recommendation — Prof. Girisha Katta, Sultan Qaboos University

جامعة السلطان قابوس
Sultan Qaboos University

كلية الطب والعلوم الصحية
College of Medicine & Health Sciences

11 May 2026

To,
The Padma Awards Committee, Ministry of Home Affairs, Government of India.

Subject: Recommendation of Dr. Muralidhar Laxmanrao Kulkarni for the Padma Shri Award (Medicine)

It is a privilege to nominate Dr. Muralidhar Laxmanrao Kulkarni (M.L. Kulkarni), a distinguished pediatrician and clinical geneticist, for the Padma Shri award in Medicine. His career, spanning over five decades, exemplifies the "distinguished service" and "work of distinction" required for this honor. Dr. Kulkarni has successfully combined pioneering medical research with a profound commitment to public health and the education of future Indian physicians.

Pioneering Research and Global Scientific Impact: Dr. Kulkarni's scientific contributions are globally recognized, with more than 110 peer-reviewed publications indexed in the PubMed database alone. His research has earned more than 1,000 citations, bridging the gap between global medical standards and the specific needs of Indian healthcare.

His landmark 1987 study published in *The Lancet* highlighted the alarmingly high incidence of Neural Tube Defects (NTD) in South India. This research was instrumental in advocating for periconceptional folic acid supplementation. This strategy has since become a cornerstone of national maternal and child health programs, preventing thousands of birth defects. His PubMed record demonstrates a relentless pursuit of knowledge across diverse areas, including rare diseases like Cerebrotendinous xanthomatosis, Crigler-Najjar syndrome, and the impact of consanguinity on fetal growth.

Selfless Service and Patient Advocacy: Beyond his research, Dr. Kulkarni has demonstrated exceptional service to underprivileged communities. He focused extensively on the clinical management of Hemophilia A and B in resource-limited settings. To address the challenges faced by families with bleeding disorders, he founded the Karnataka Hemophilia Society, facilitating early diagnosis, patient registries, and

Page 1 of 2

Letter of 11 May 2026 to the Padma Awards Committee, Ministry of Home Affairs, from Prof. Girisha Katta, MD, DM, PhD, Department of Genetics, College of Medicine and Health Sciences, Sultan Qaboos University, Muscat; formerly Head of Medical Genetics, Kasturba Medical College, Manipal.

access to factor replacement therapy for those who previously had limited medical options.

Excellence in Medical Education: As the former Professor and Head of the Department of Pediatrics at J.J.M. Medical College, Davanagere, Dr. Kulkarni has mentored hundreds of medical students and residents. His contribution to medical literature is definitive; he has authored influential textbooks, including the four-volume "Clinical Methods in Pediatrics" and "An Atlas of Neonatology," which are essential training resources for pediatricians across India. His role as an "eminent medical teacher" was nationally recognized when he received the Dr. B.C. Roy National Award.

Conclusion: Dr. M.L. Kulkarni's life's work embodies the spirit of the "People's Padma". He has not only advanced the scientific understanding of clinical genetics in India through over 110 published works but has also translated that knowledge into life-saving public health interventions and selfless community service. His "work of distinction" makes him a most deserving candidate for the Padma Shri.

Girisha Katta, MD, DM, PhD
Professor, Department of Genetics
College of Medicine and Health Sciences
Sultan Qaboos University
Al-Khodh, P.O. Box 35
Muscat 123, Sultanate of Oman
Email: g.kumar@squ.edu.om
Telephone: +968 24143488

Formerly, Head of the Department of Medical Genetics, Kasturba Medical College, Manipal, Manipal Academy of Higher Education, Manipal, India.

Health
Nepean Blue Mountains
Local Health District

Neonatal Intensive Care Unit
Nepean Hospital
Telephone: (02) 4734 2850, Fax: (02) 4752 0153 UNIT
Telephone: (02) 4734 2121 Fax: (02) 4752 0152 DEPARTMENT

Cnr Somerset and Derby Streets
Kingswood NSW 2747
PO Box 63, Penrith NSW 2751

PADMA SHRI NOMINATION DOSSIER

Date: 11th May, 2026

Dr. M. L. Kulkarni, Davangere, Karnataka
Field: Medicine (Paediatrics & Genetics)

ML Kulkarni,
DOB 8th September 1947
2373, MCC A block
9th Main. Behind Sai mandir
Davangere 577004
Karnataka India
Phone 9449960005
mlkuulkarni08@gmail.com

Sub: Testimonial for Professor M.L. Kulkarni

It is with profound respect and admiration that I present this testimonial for Professor M. L. Kulkarni, an outstanding paediatrician, teacher, researcher, and public health advocate whose contributions over nearly four decades have had a transformative impact on paediatric healthcare, medical education, and genetic research in India and beyond.

Professor Kulkarni has devoted more than 38 years to teaching paediatrics in a medical college setting in a small town of south India, during which he has trained an extraordinary number of healthcare professionals. He has mentored approximately 1,000 postgraduate students and educated nearly 10,000 undergraduate medical students in paediatrics of whom **I am privileged to be one**, bearing personal testimony to his excellence as a teacher, mentor, and role model.

His influence on capacity building extends further to nursing students, school teachers, and community health workers. Through structured training programs such as Neonatal Resuscitation (NRP/NALS) and Paediatric Advanced Life Support (PALS), he has strengthened clinical competence at district and regional levels, thereby enhancing the quality of paediatric care delivery across wide geographic regions.

His excellence in teaching was recognized early in his career when he became one of the youngest recipients of the prestigious Dr. B. C. Roy National Award for Eminent Medical Teacher in 1994. This distinction reflects not only his academic rigor but also his passion for nurturing generations of clinicians.

1

Testimonial of 11 May 2026 from Dr. Kiran Kumar Balegar, Consultant Neonatologist, Nepean Hospital and University of Sydney, a former undergraduate student of Prof. Kulkarni.

Health
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Local Health District

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PO Box 63, Penrith NSW 2751

Professor Kulkarni's research contributions are exceptional in both volume and quality. He has authored nearly 500 scientific publications in high-impact national and international journals, including *Nature*, *The Lancet*, *BMJ*, *Archives of Disease in Childhood*, *Journal of Medical Genetics*, *American Journal of Medical Genetics*, *National Medical Journal of India*, *Indian Paediatrics*, and the *Indian Journal of Paediatrics*. His scholarly contributions also include 13 books published by reputed publishers such as Jaypee Brothers (New Delhi), Paras Medical (Hyderabad), and Anshan Publications (United Kingdom), along with 66 chapters in various academic books. He has served as an editorial adviser to multiple journals and contributed important editorials, further shaping paediatric discourse in India.

A distinguishing feature of Professor Kulkarni's work is its deep societal relevance and measurable public health impact. His pioneering research on consanguineous marriages raised awareness about associated genetic risks, leading to behavioral changes within communities. His studies on Neural Tube Defects (NTDs) in South India highlighted the role of folic acid supplementation, contributing to preventive strategies that have reduced disease incidence. His investigation into harmful additives in paediatric medications prompted regulatory action by the Drug Controller of India, demonstrating his ability to influence national health policy. Further exemplifying his societal impact, his research on the effects of heavy school bags on children gained widespread media attention and was debated in Parliament, ultimately resulting in guidelines and remedial measures. His identification and management of the first treated case of Pompe disease in India contributed to the development of rare disease awareness and played a role in the establishment of the Organisation for Rare Diseases India (ORDI).

His commitment to community service is exemplary. He has conducted innumerable health camps in underserved rural and urban slum populations and has been actively involved in health education through newspapers, satellite television lectures from ISRO, and grassroots outreach programs. His efforts reflect a deep commitment to equitable healthcare access.

Professor Kulkarni has also made significant contributions to haemophilia care. As the Founder and Founder President of the Karnataka Haemophilia Society (1989–1998), he identified approximately 300 patients through dedicated outreach and established a strong foundation for ongoing care, education, and advocacy. His work in this field earned recognition and appreciation from international experts, including prominent authorities from Italy, the United States, and the Netherlands.

His leadership at J. J. M. Medical College, Davangere, has been instrumental in building high-quality paediatric and neonatal services. Under his guidance, a Level III Neonatal Intensive Care Unit was established, along with a Fellowship in Neonatology recognized by the Rajiv Gandhi University of Health Sciences. He has also developed specialized clinics including lactation, neonatal follow-up, adolescent health, cardiology, and nephrology services, ensuring comprehensive care for children.

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Professor Kulkarni's contributions to national health programs are extensive. He has actively participated in initiatives such as the Universal Immunization Programme (UIP), Integrated Child Development Services (ICDS), polio eradication, breastfeeding promotion, and child health programs. He has also pioneered diarrhea treatment training programs and nutritional rehabilitation services, which are among the few of their kind in India.

Internationally, Professor Kulkarni has been a visiting professor at renowned institutions in the United Kingdom, Oman, Qatar, and India, and has delivered more than 150 guest lectures and several prestigious orations. His ongoing collaborations in neonatal research underscore his global engagement.

What makes Professor Kulkarni's achievements particularly remarkable is that this vast body of work of national and international significance has been accomplished while working in a relatively small town like Davangere. Undertaking such impactful work, often at great personal sacrifice, exemplifies dedication of the highest order and stands as an inspiration to the medical community.

In summary, Professor M. L. Kulkarni's contributions span education, research, clinical care, public health policy, and community service. His work has had a profound and lasting impact at the societal, national, and international levels. He is truly a pioneering figure whose legacy continues to influence paediatric practice and improve the lives of countless children and families.

With best wishes

Dr Kiran Kumar Balegar MBBS, MD, DNB, DM, MPH, FRACP, CCPU, PhD
Consultant Neonatologist
Nepean Hospital and University of Sydney
Sydney, AUSTRALIA
Email: Kiran.Balegar@health.nsw.gov.au
CC: kiranbal2026@gmail.com
Tel: +61433952457

Letter of support — Organisation for Rare Diseases India (ORDI)

ORDI
Organization for
Rare Diseases India

TO WHOMS OEVER IT MAY CONCERN

Dr. M. L. Kulkarni is the doctor who gave me answers—and, in many ways, gave a new direction to my life.

For nearly seven years, I travelled across India in search of a diagnosis for my daughter, Nidhi. We consulted some of the best hospitals and specialists, yet no one could identify her condition. It was a long, exhausting, and emotionally draining journey filled with uncertainty.

During this time, I met one of Dr. Kulkarni's former students in Bengaluru. After hearing my daughter's case, he said with conviction, *"Only Dr. M. L. Kulkarni can diagnose such a case."* Without a second thought, I moved from Bengaluru to Davangere to consult him.

Dr. Kulkarni is not only an exceptional clinician but also a gem of a person—deeply intelligent, compassionate, and truly patient-centric. My instinct proved right. Within just 15 days, he was able to diagnose my daughter.

What stood out was his approach—he spent time with us, listened patiently, and carefully noted every detail of her medical history since birth. His thorough evaluation and keen clinical insight led to a simple test, through which he diagnosed her with Pompe disease—one of the earliest identified cases in India at the time.

That diagnosis brought immense relief. Without knowing what a child is suffering from, it is impossible to seek the right treatment or plan for the future.

This moment changed my life. Dr. Kulkarni not only gave us a diagnosis but also guided us through the challenges of accessing treatment for such a rare condition. More importantly, he inspired me to take action beyond my personal journey.

His guidance and encouragement led me to establish the **Organisation for Rare Diseases India (ORDI)**—a national patient advocacy organization dedicated to supporting individuals and families affected by rare diseases. ORDI works towards awareness, early diagnosis, access to treatment, patient support, and policy advocacy across India.

Dr. Kulkarni's inspiration was instrumental in shaping this mission. He also served as a valued member of the advisory committee of ORDI, continuing to guide and strengthen our efforts with his expertise and wisdom.

What began as a personal struggle has now grown into a movement. Today, ORDI has become a boon to countless families affected by rare diseases—many conditions are now being identified earlier, some patients are receiving treatment, and all families are guided and counselled with the care and dignity they deserve.

I will always remain deeply grateful to Dr. M. L. Kulkarni—for his knowledge, his empathy, and for inspiring a larger purpose that continues to impact so many lives.

With Regards

Prasanna Shirol
Cofounder and Executive Director

Organization for Rare Diseases India

Address for Communication
#621, 10th A Cross, 4th Main,
Mahalakshmipuram, Bengaluru-560086

Registered Office Address
No. 180/2, Flat No. 114, Swarna Silicon Minos,
Basavanna Nagar, Hoodi, Bengaluru - 560048

Rare Disease Helpline: +91 8892 555 000
www.ordindia.in
contactus@ordindia.in
#icareforrare

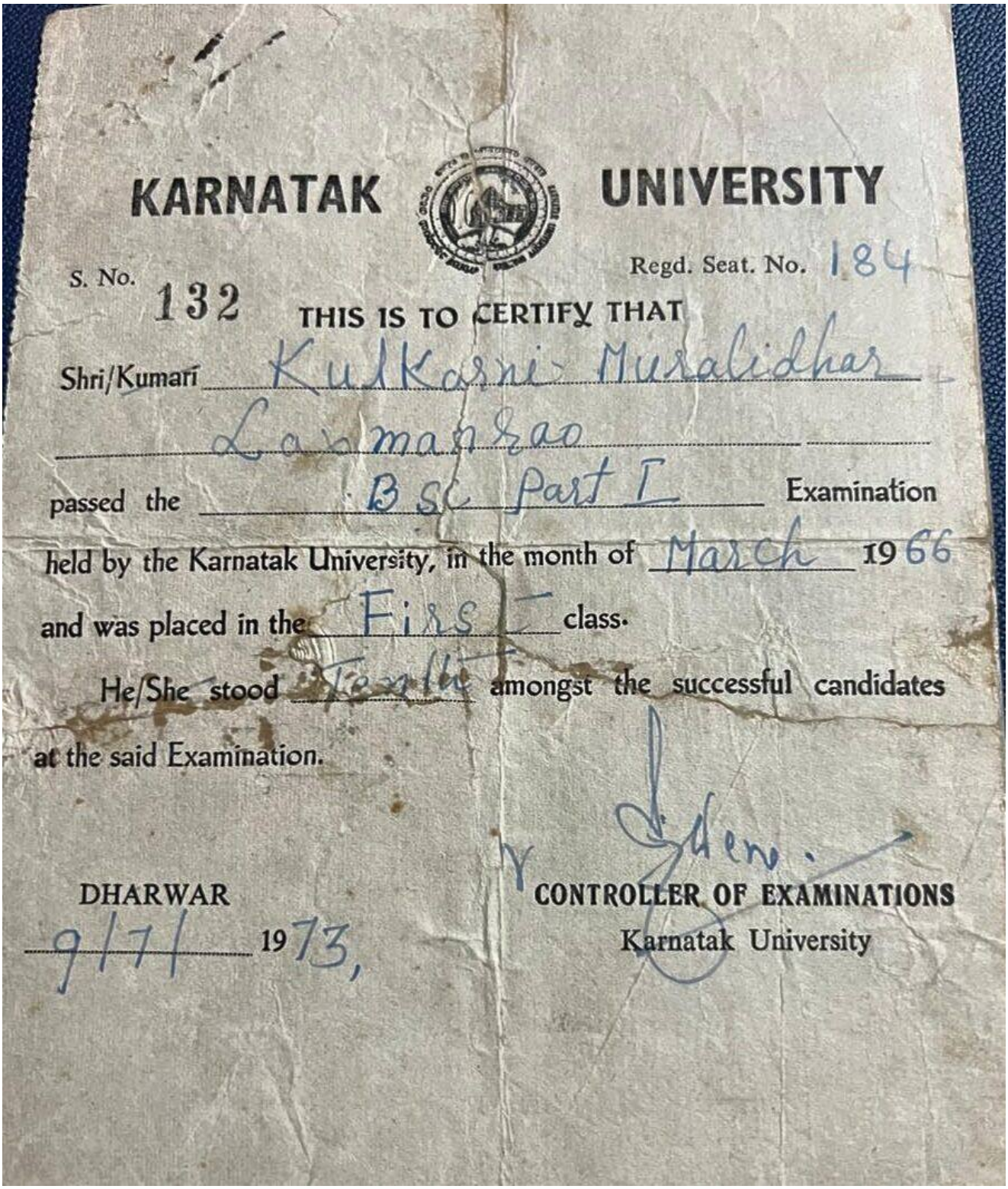
Letter from Mr. Prasanna Shirol, Co-founder and Executive Director of ORDI, on the diagnosis of his daughter with Pompe disease by Dr. Kulkarni and the founding of ORDI that followed.

PART X

Archival records, 1966–1997

Academic certificates, the Dr. B. C. Roy National Award citation, and the correspondence of the Karnataka Hemophilia Society.

Annexure A-1



KARNATAK UNIVERSITY

S. No. 132 Regd. Seat. No. 184

THIS IS TO CERTIFY THAT

Shri/Kumari Kulkarni Muralidhar Laxmanrao

passed the B.Sc. Part I Examination

held by the Karnatak University, in the month of March 1966

and was placed in the First class.

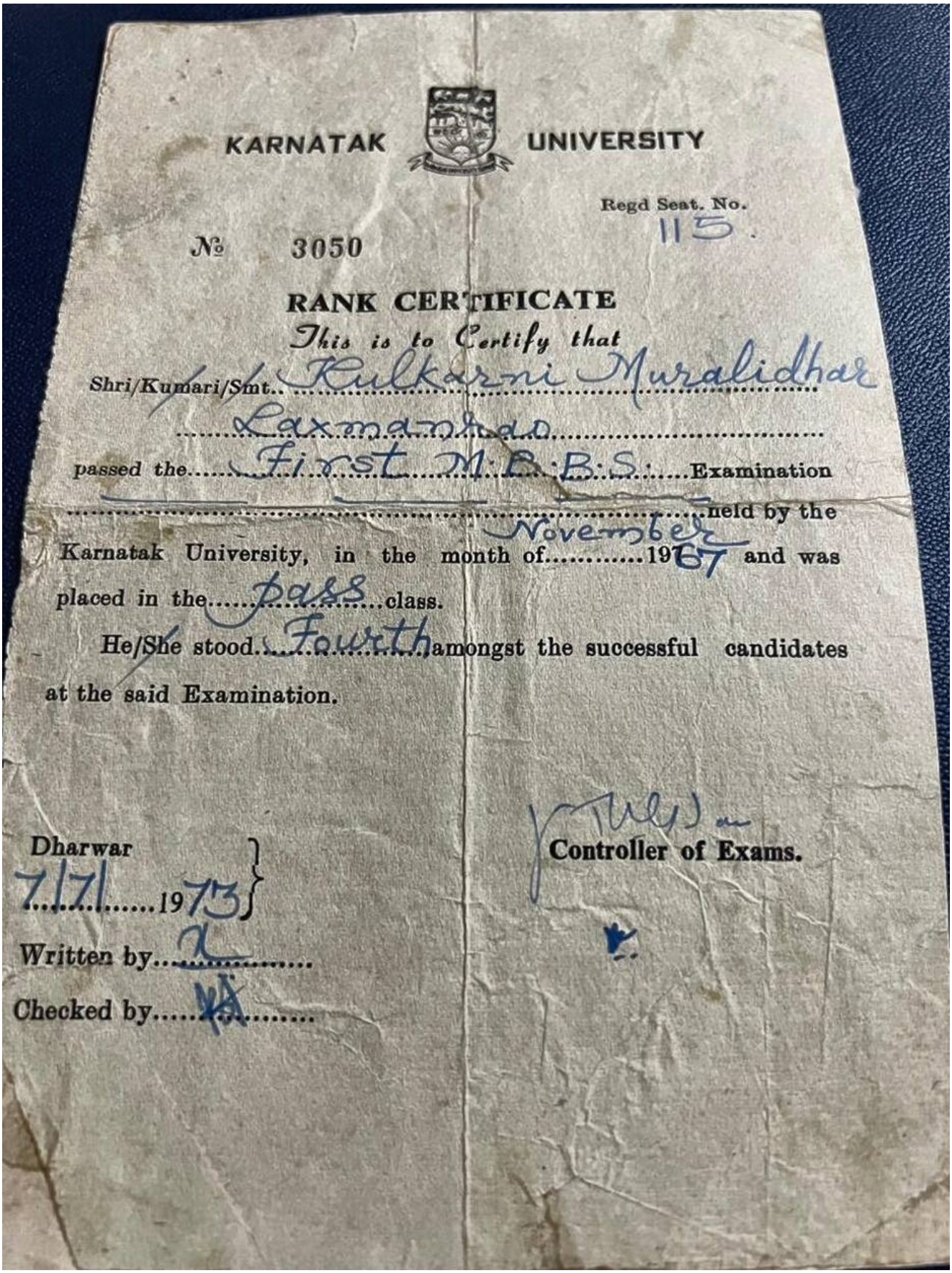
He/She stood Tenth amongst the successful candidates at the said Examination.

DHARWAR 9/11/ 1973,

CONTROLLER OF EXAMINATIONS
Karnatak University

Karnatak University — B.Sc. Part I examination, March 1966. Placed in First Class, stood Tenth among successful candidates.

Annexure A-2



KARNATAK UNIVERSITY

Regd Seat. No. 115.

№ 3050

RANK CERTIFICATE

This is to Certify that

Shri/Kumari/Smt. Kulkarni Muralidhar Laxmanrao

passed the First M.B.B.S. Examination

held by the Karnatak University, in the month of November 1967 and was placed in the pass class.

He/She stood Fourth amongst the successful candidates at the said Examination.

Dharwar 7/7/1973

Written by [illegible]

Checked by [illegible]

Controller of Exams.

Karnatak University Rank Certificate No. 3050 — First M.B.B.S. examination, November 1967. Stood Fourth among successful candidates.

Annexure A-3

KARNATAK UNIVERSITY

Regd Seat. No. 32

№ 3049

RANK CERTIFICATE

This is to Certify that

Shri/Kumari/Smt. S. Kulkarni Muralidhar

Laxmeshwar

passed the Second M.B.B.S. Part-II Examination

held by the Karnatak University, in the month of December 1969. and was placed in the First class.

He/She stood Third amongst the successful candidates at the said Examination.

Dharwar
7-7-1973

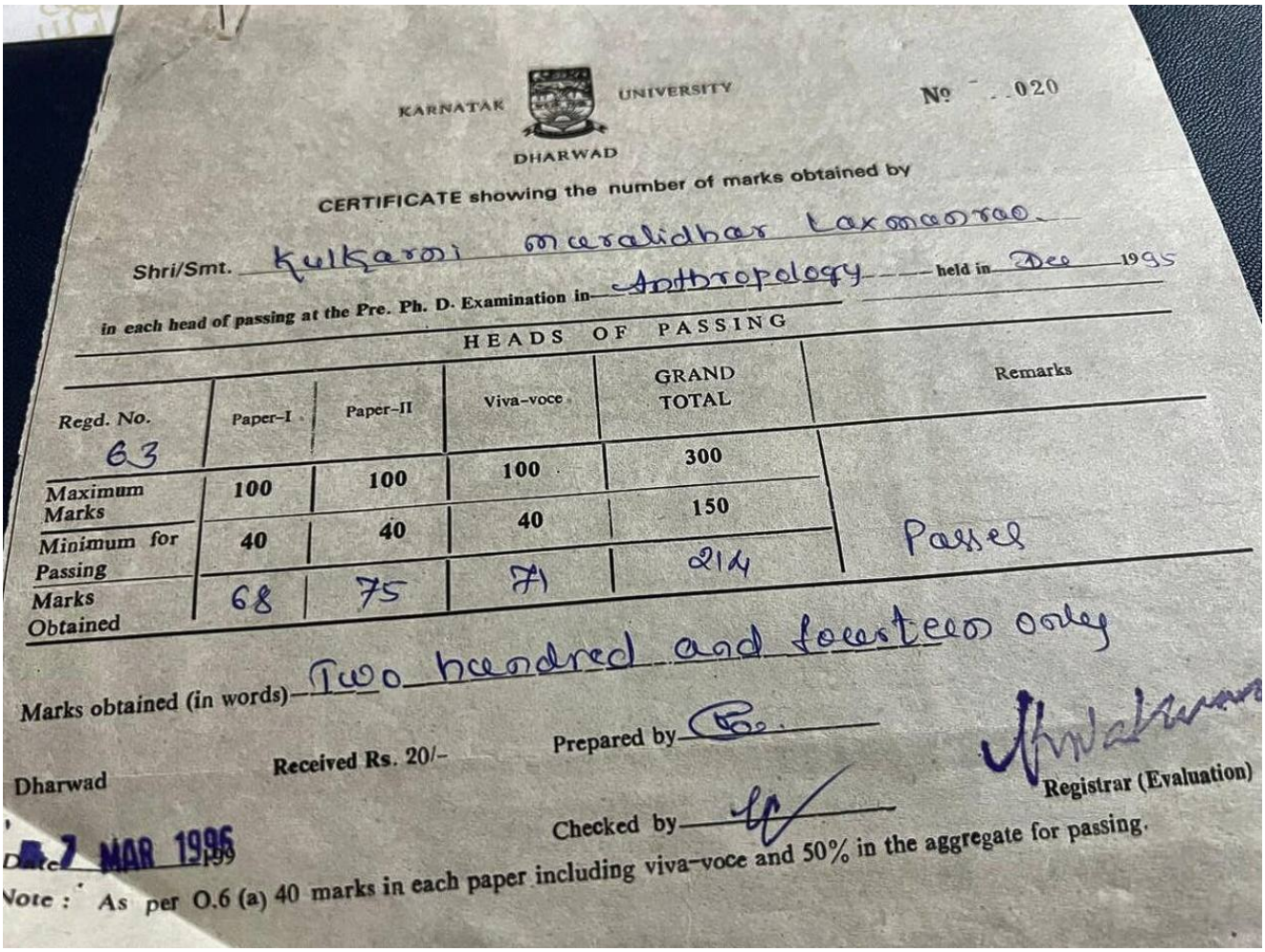
Written by M

Checked by VA

Controller of Exams.

Karnatak University Rank Certificate No. 3049 — Second M.B.B.S. Part II examination, December 1969. First Class, stood Third among successful candidates.

Annexure A-4



KARNATAK UNIVERSITY

DHARWAD

No 020

CERTIFICATE showing the number of marks obtained by

Shri/Smt. Kulkarni Muralidhar Laxmanrao

in each head of passing at the Pre. Ph. D. Examination in Anthropology held in Dec 1995

HEADS OF PASSING

Regd. No. 63	Paper–I	Paper–II	Viva–voce	GRAND TOTAL	Remarks
Maximum Marks	100	100	100	300	
Minimum for Passing	40	40	40	150	
Marks Obtained	68	75	71	214	Passed

Marks obtained (in words) Two hundred and fourteen only

Dharwad

Received Rs. 20/-

Prepared by

Checked by

Registrar (Evaluation)

Date 7 MAR 1996

Note : As per O.6 (a) 40 marks in each paper including viva-voce and 50% in the aggregate for passing.

Karnatak University, Dharwad — Pre-Ph.D. examination in Anthropology, December 1995. Aggregate 214/300, passed.

Annexure A-5

Dr. B.C. Roy National Award - 1994
Eminent Medical Teacher



Dr. M.L. Kulkarni
2373, MCC, A Block,
Behind Sai Mandir,
Davangere-577 004

Prof. M.L. Kulkarni, born in 1947, has been teaching Paediatrics for both undergraduate and postgraduate students at J.J.M. Medical College, Davangere for 20 years, and also has been an Examiner in many universities.

He has developed several audio-visual teaching materials for training and has contributed to more than 100 papers in national and international journals in addition to chapters to reputed text books. He is on the Editorial Board of Indian Journal of Paediatrics and Indian Paediatrics.

He has done active work on child health surveys, Genetic disorders, (diagnosis and management), Perinatal Medicine, Haemophilia, Nutrition Rehabilitation, Diarrhoea Management and Training. Apart from this, he has been a district level coordinator for universal Immunisation programme (U.I.P.) during 1986-87 and has also worked on Integrated Child Development Services (ICDS), taking his undergraduate and postgraduate students to various Anganwadi Centres to teach them about the objectives and functions of ICDS.

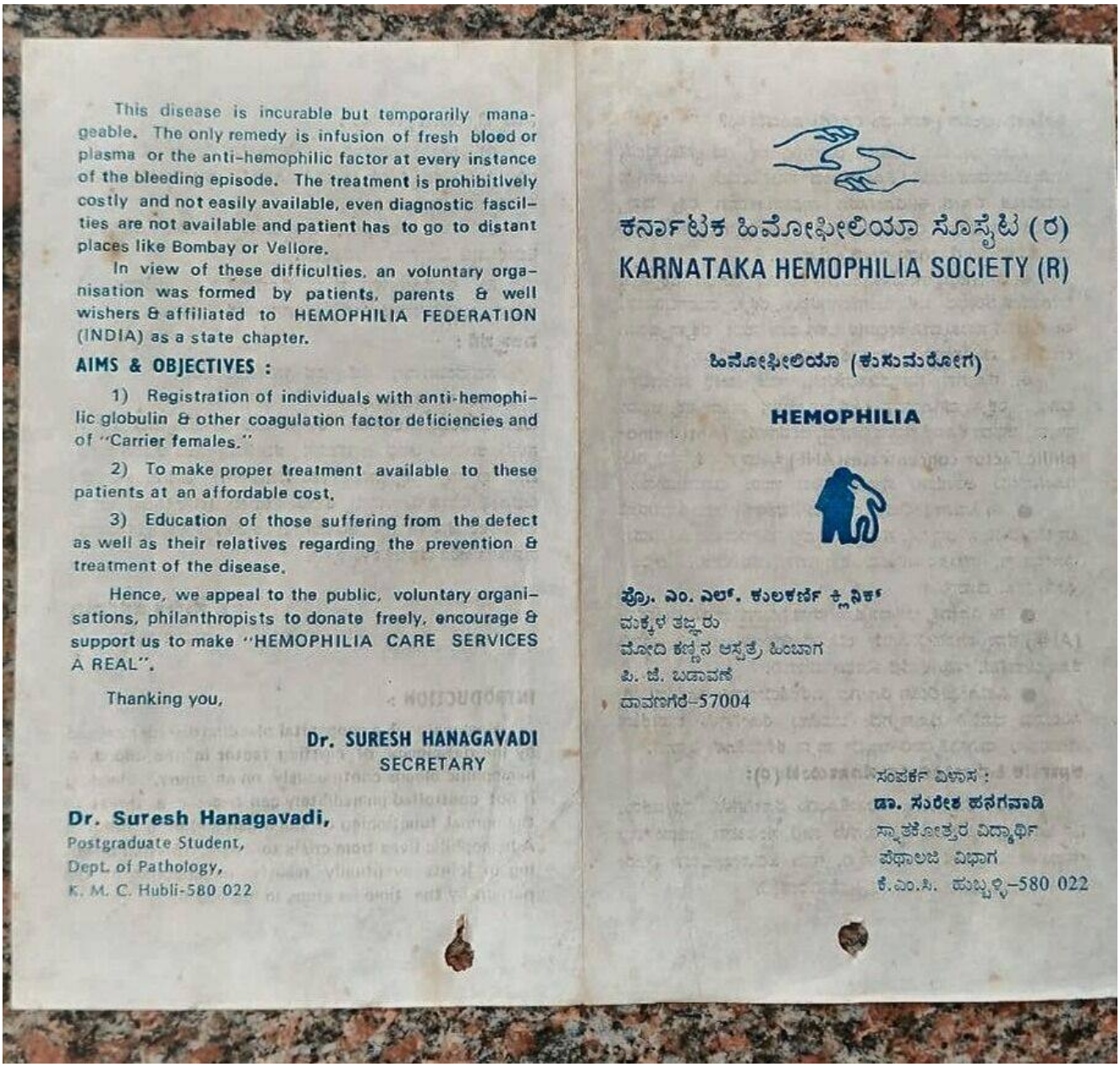
His ability to teaching at various levels, including medical students, postgraduates, residents, faculty and private specialists and general practitioners, has been outstanding and he has distinguished himself as an authority of international repute in Neural Tube Defects, Consanguinity, Congenital Malformations, Genetic Norphometry, Skeletal Dysplasias and Haemophilia. He has carried out excellent research of international fame in adverse conditions in a remote place like Davangere at great personal sacrifice. His contribution for development of teaching aids like slides, videos, audios and charts is invaluable.

The Management Committee of Dr. B.C. Roy National Award Fund. in recognition of his services as an outstanding dedicated medical teacher, has great pleasure in selecting him for the award under the category of Eminent Medical Teacher for the Year 1994.

20

Dr. B. C. Roy National Award 1994, Eminent Medical Teacher — published citation for Prof. M. L. Kulkarni, Department of Paediatrics, J.J.M. Medical College, Davangere.

Annexure A-6



This disease is incurable but temporarily manageable. The only remedy is infusion of fresh blood or plasma or the anti-hemophilic factor at every instance of the bleeding episode. The treatment is prohibitlvely costly and not easily available, even diagnostic fascilities are not available and patient has to go to distant places like Bombay or Vellore.

In view of these difficulties, an voluntary organisation was formed by patients, parents & well wishers & affiliated to HEMOPHILIA FEDERATION (INDIA) as a state chapter.

AIMS & OBJECTIVES :

1) Registration of individuals with anti-hemophilic globulin & other coagulation factor deficiencies and of "Carrier females."

2) To make proper treatment available to these patients at an affordable cost.

3) Education of those suffering from the defect as well as their relatives regarding the prevention & treatment of the disease.

Hence, we appeal to the public, voluntary organisations, philanthropists to donate freely, encourage & support us to make "HEMOPHILIA CARE SERVICES A REAL".

Thanking you,

Dr. SURESH HANAGAVADI
SECRETARY

Dr. Suresh Hanagavadi,
Postgraduate Student,
Dept. of Pathology,
K. M. C. Hubli-580 022

ಕರ್ನಾಟಕ ಹಿಮೋಫೀಲಿಯಾ ಸೊಸೈಟಿ (ರ)
KARNATAKA HEMOPHILIA SOCIETY (R)

ಹಿಮೋಫೀಲಿಯಾ (ಕುಸುಮರೋಗ)

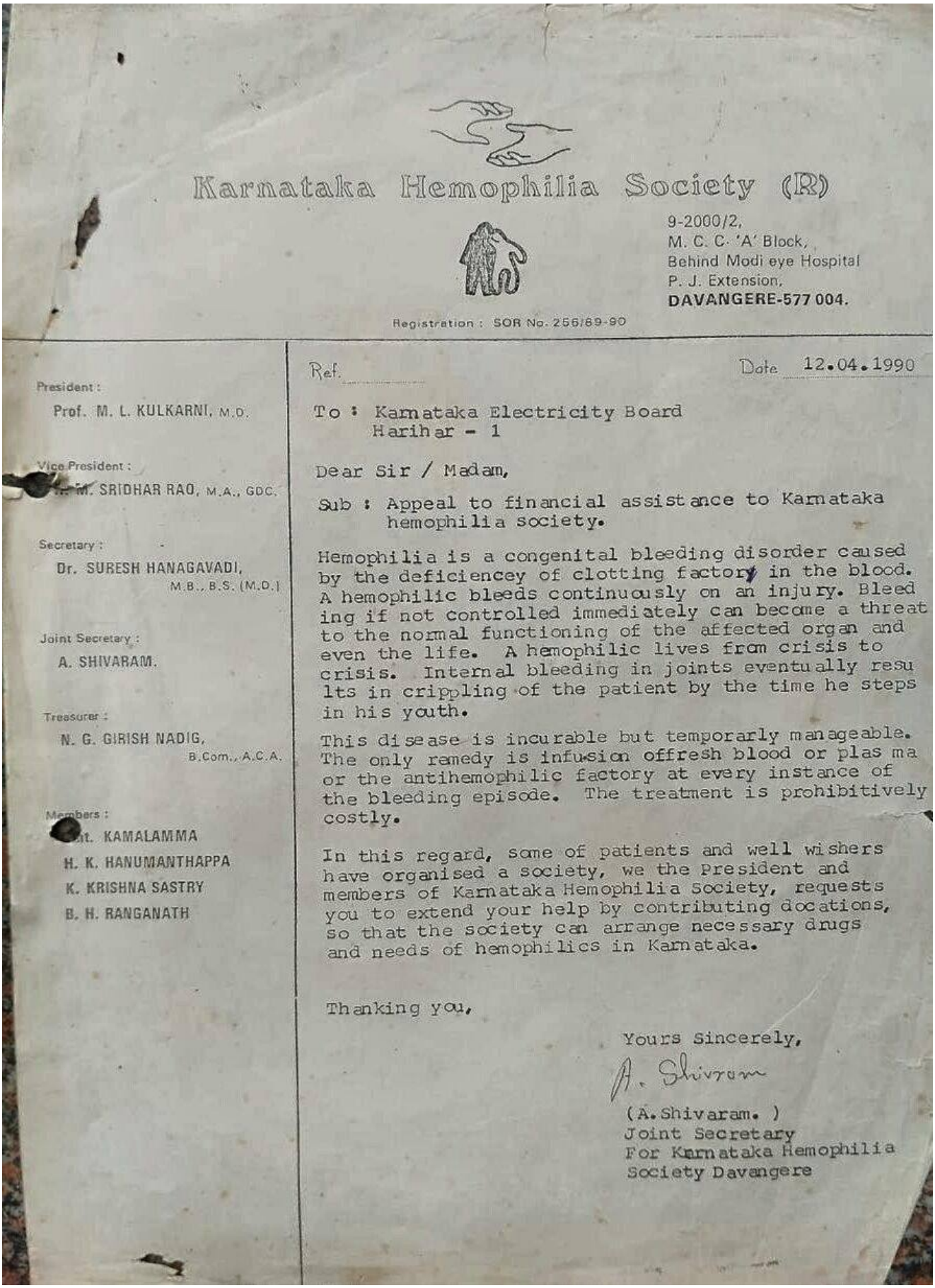
HEMOPHILIA

ಪ್ರೊ. ಎಂ. ಎಲ್. ಕುಲಕರ್ಣಿ ಕ್ಲಿನಿಕ್
ಮಕ್ಕಳ ತಜ್ಞರು
ಮೋದಿ ಕಣ್ಣಿನ ಆಸ್ಪತ್ರೆ ಹಿಂಬಾಗ
ಪಿ. ಜೆ. ಬಡಾವಣೆ
ದಾವಣಗೆರೆ-57004

ಸಂಪರ್ಕ ವಿಳಾಸ :
ಡಾ. ಸುರೇಶ ಹನಗವಾಡಿ
ಸ್ನಾತಕೋತ್ತರ ವಿದ್ಯಾರ್ಥಿ
ಪೆಥಾಲಜಿ ವಿಭಾಗ
ಕೆ.ಎಂ.ಸಿ. ಹುಬ್ಬಳ್ಳಿ-580 022

Karnataka Hemophilia Society (R) — public awareness leaflet on haemophilia in Kannada and English, setting out the Society's aims and objectives. Prof. M. L. Kulkarni listed as President.

Annexure A-7



Karnataka Hemophilia Society (R)

9-2000/2,
M. C. C. 'A' Block,
Behind Modi eye Hospital
P. J. Extension,
DAVANGERE-577 004.

Registration : SOR No. 256/89-90

President :
Prof. M. L. KULKARNI, M.D.

Vice President :
[illegible] M. SRIDHAR RAO, M.A., GDC.

Secretary :
Dr. SURESH HANAGAVADI,
M.B., B.S. (M.D.)

Joint Secretary :
A. SHIVARAM.

Treasurer :
N. G. GIRISH NADIG,
B.Com., A.C.A.

Members :
[illegible]t. KAMALAMMA
H. K. HANUMANTHAPPA
K. KRISHNA SASTRY
B. H. RANGANATH

Ref. ..... Date 12.04.1990

To : Karnataka Electricity Board
Harihar - 1

Dear Sir / Madam,

Sub : Appeal to financial assistance to Karnataka hemophilia society.

Hemophilia is a congenital bleeding disorder caused by the deficiencey of clotting factory in the blood. A hemophilic bleeds continuously on an injury. Bleeding if not controlled immediately can become a threat to the normal functioning of the affected organ and even the life. A hemophilic lives from crisis to crisis. Internal bleeding in joints eventually results in crippling of the patient by the time he steps in his youth.

This disease is incurable but temporarly manageable. The only remedy is infusion offresh blood or plasma or the antihemophilic factory at every instance of the bleeding episode. The treatment is prohibitively costly.

In this regard, some of patients and well wishers have organised a society, we the President and members of Karnataka Hemophilia Society, requests you to extend your help by contributing docations, so that the society can arrange necessary drugs and needs of hemophilics in Karnataka.

Thanking you,

Yours Sincerely,
A. Shivaram

(A. Shivaram.)
Joint Secretary
For Karnataka Hemophilia
Society Davangere

Karnataka Hemophilia Society (R), 12 April 1990 — appeal to the Karnataka Electricity Board, Harihar, for financial assistance towards drugs and patient needs. Prof. M. L. Kulkarni listed as President.

Annexure A-8

PEDIATRIC HAEMATOLOGY ONCOLOGY CHAPTER OF I.A.P.

Division of Haematology,
Department of Pediatrics, L. T. M. G. Hospital and
L. T. M. Medical College, Sion, Bombay–400 022. India.

Ref. No. :

Date : 22/2/90

President :
Dr. T. Dorairajan

Vice President :
Dr. P. N. Krishnamurthy

Secretary :
Dr. M. R. Lokeshwar

Treasurer :
Dr. Kurkure P. A.

Executive Committee :
Dr. V. P. Choudhary
Dr. R. M. Joshi
Dr. P. M. Kutty
Dr. R. K. Marwaha
Dr. N. M. Thimmarayappa
Dr. R. P. Warrier

Dear Dr. Kulkarni.

Received your kind letter dated; 15/2/90. sorry for the delay. As regards Factor XI concentrate it is not easily available in Bombay, however, ocassionally it is available at Royal chemist and the prize is prohibitive. It can be imported either from U.S.A. or from Europe. I am giving the addresses of various companys who are manufacturing and where it is available.

IN U.S.A

1) Cutter Laboratories,4th and parker stract berkesley, california, 94710, U.S.A
2) Hyland, Div, travanol laboratories, 3300 hyland avenue, p.o.box no ; 2214, coste Muss, California - 92626, U.S.A
3) Abbott Laboratotries, 520 mission Street, South Pesedana, California - 91030 U.S.A
4) Armour pharmaceuticals, Phoenix, ARizone 85077 U.S.A
5) Parke-Davis and Co. Datroit Michigan, 48232 U.S.A
6) The new york blood center, 310 east 67th street, new york, N.Y- 10021, U.S.A

IN EUROPE.

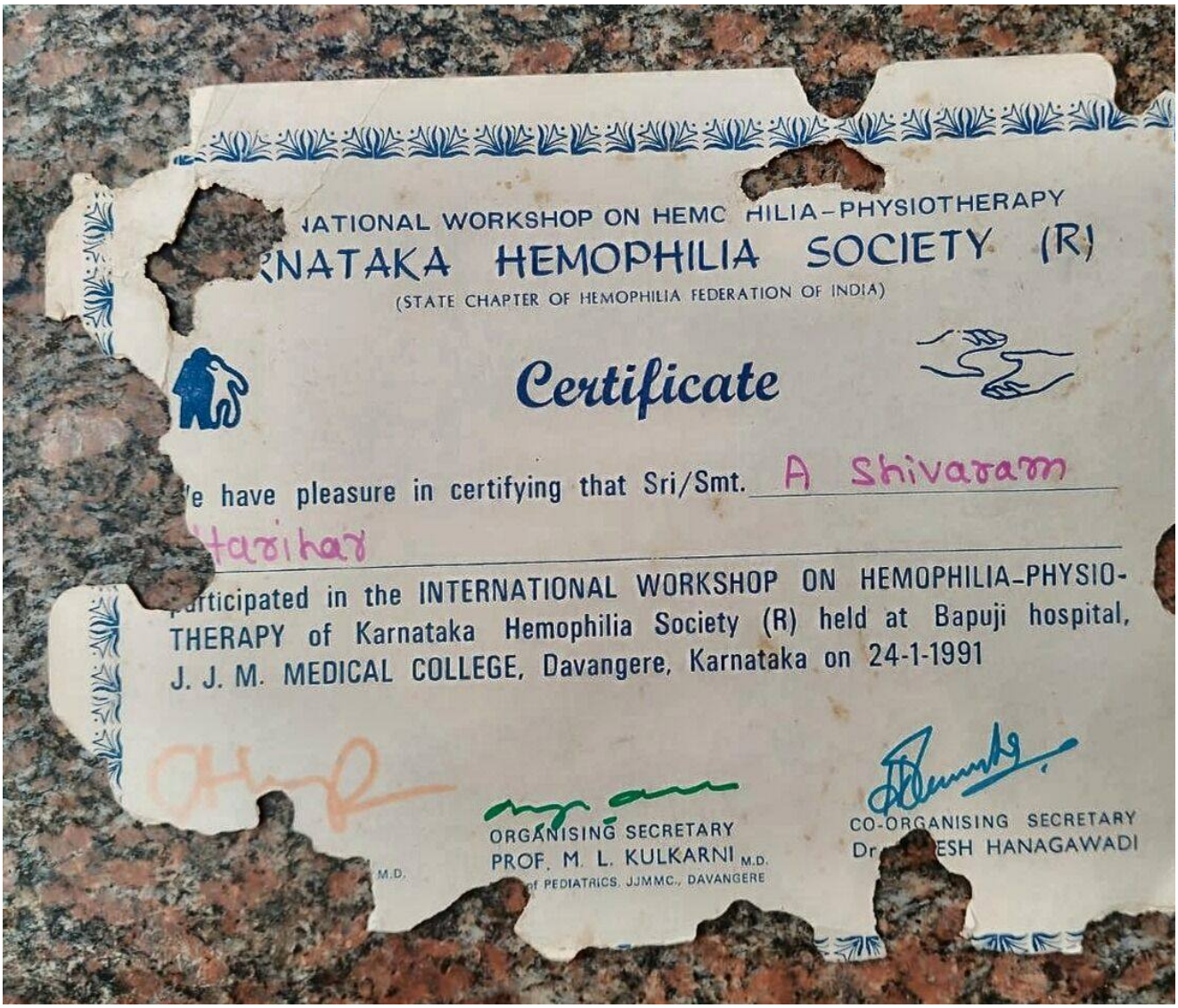
1) Cutter Laboratories C/o. Frad Thompson, 9 Backford road, Irby, Wirrel, Moeocyside, L61, 2XM England.
2) Hyland, Div. Trawanol Laboratories, Thatford, Morfolk, England,
3) IMMUNO-DESTERREICMISCHES., Institute for hemoderivate GEs. N.B.M- VIENNA.
4) Sarological products ltd, Arctic House, Rye lane, Dunton green, Mr. Savaneeka, KENT IN 14 5 NB Great Britain U.K.

P.T.O

Address for Correspondence :
Dr. M. R. Lokeshwar, M.D., D.C.H., 19/54, Welfare Mansion, Sion, Bombay–400 022. India.
Phone : 48 52 78 / 412 53 96

Paediatric Haematology–Oncology Chapter of the I.A.P., L.T.M. Medical College, Sion, Bombay, 22 February 1990 — reply to Dr. Kulkarni listing international suppliers of Factor XI concentrate in the U.S.A. and Europe.

Annexure A-9



NATIONAL WORKSHOP ON HEMOPHILIA–PHYSIOTHERAPY

KARNATAKA HEMOPHILIA SOCIETY (R)

(STATE CHAPTER OF HEMOPHILIA FEDERATION OF INDIA)

Certificate

We have pleasure in certifying that Sri/Smt. A Shivaram Kattarihar

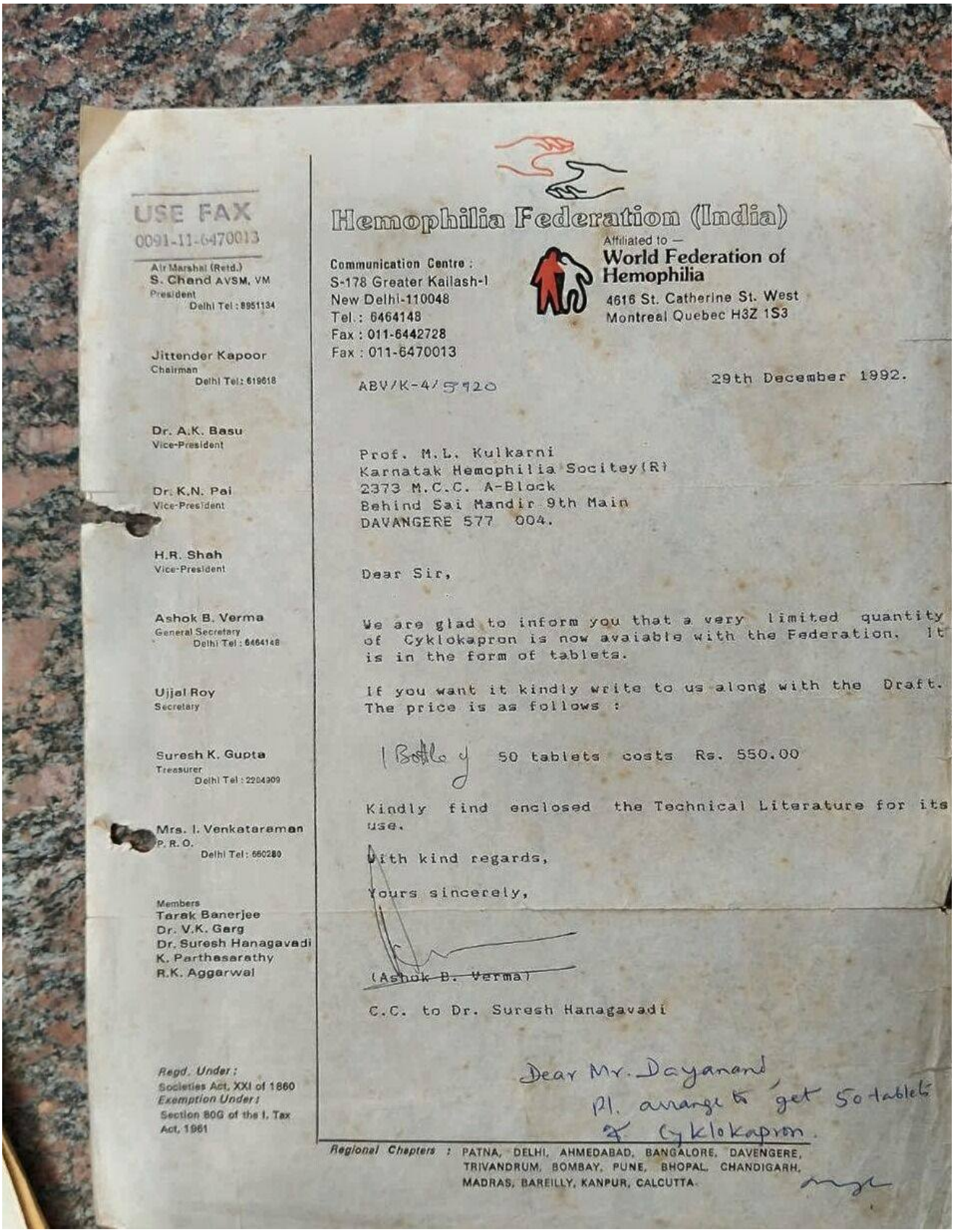
participated in the INTERNATIONAL WORKSHOP ON HEMOPHILIA–PHYSIO-THERAPY of Karnataka Hemophilia Society (R) held at Bapuji hospital, J. J. M. MEDICAL COLLEGE, Davangere, Karnataka on 24-1-1991

ORGANISING SECRETARY
PROF. M. L. KULKARNI M.D.
of PEDIATRICS, JJMMC., DAVANGERE

CO-ORGANISING SECRETARY
Dr. ESH HANAGAWADI

Certificate of participation, International Workshop on Haemophilia–Physiotherapy, Karnataka Hemophilia Society (R), Bapuji Hospital, J.J.M. Medical College, Davangere, 24 January 1991. Signed by Prof. M. L. Kulkarni as Organising Secretary.

Annexure A-10



USE FAX
0091-11-6470013

Air Marshal (Retd.)
S. Chand AVSM, VM
President
Delhi Tel : 8951134

Jittender Kapoor
Chairman
Delhi Tel: 619618

Dr. A.K. Basu
Vice-President

Dr. K.N. Pai
Vice-President

H.R. Shah
Vice-President

Ashok B. Verma
General Secretary
Delhi Tel : 6464148

Ujjal Roy
Secretary

Suresh K. Gupta
Treasurer
Delhi Tel : 2204909

Mrs. I. Venkataraman
P. R. O.
Delhi Tel : 660280

Members
Tarak Banerjee
Dr. V.K. Garg
Dr. Suresh Hanagavadi
K. Parthasarathy
R.K. Aggarwal

Regd. Under :
Societies Act, XXI of 1860
Exemption Under :
Section 80G of the I. Tax Act, 1961

Hemophilia Federation (India)

Communication Centre :
S-178 Greater Kailash-I
New Delhi-110048
Tel. : 6464148
Fax : 011-6442728
Fax : 011-6470013

Affiliated to —
World Federation of Hemophilia
4616 St. Catherine St. West
Montreal Quebec H3Z 1S3

ABV/K-4/5920

29th December 1992.

Prof. M.L. Kulkarni
Karnatak Hemophilia Socitey(R)
2373 M.C.C. A-Block
Behind Sai Mandir 9th Main
DAVANGERE 577 004.

Dear Sir,

We are glad to inform you that a very limited quantity of Cyklokapron is now avaiable with the Federation. It is in the form of tablets.

If you want it kindly write to us along with the Draft. The price is as follows :

1 Bottle of 50 tablets costs Rs. 550.00

Kindly find enclosed the Technical Literature for its use.

With kind regards,

Yours sincerely,

(Ashok B. Verma)

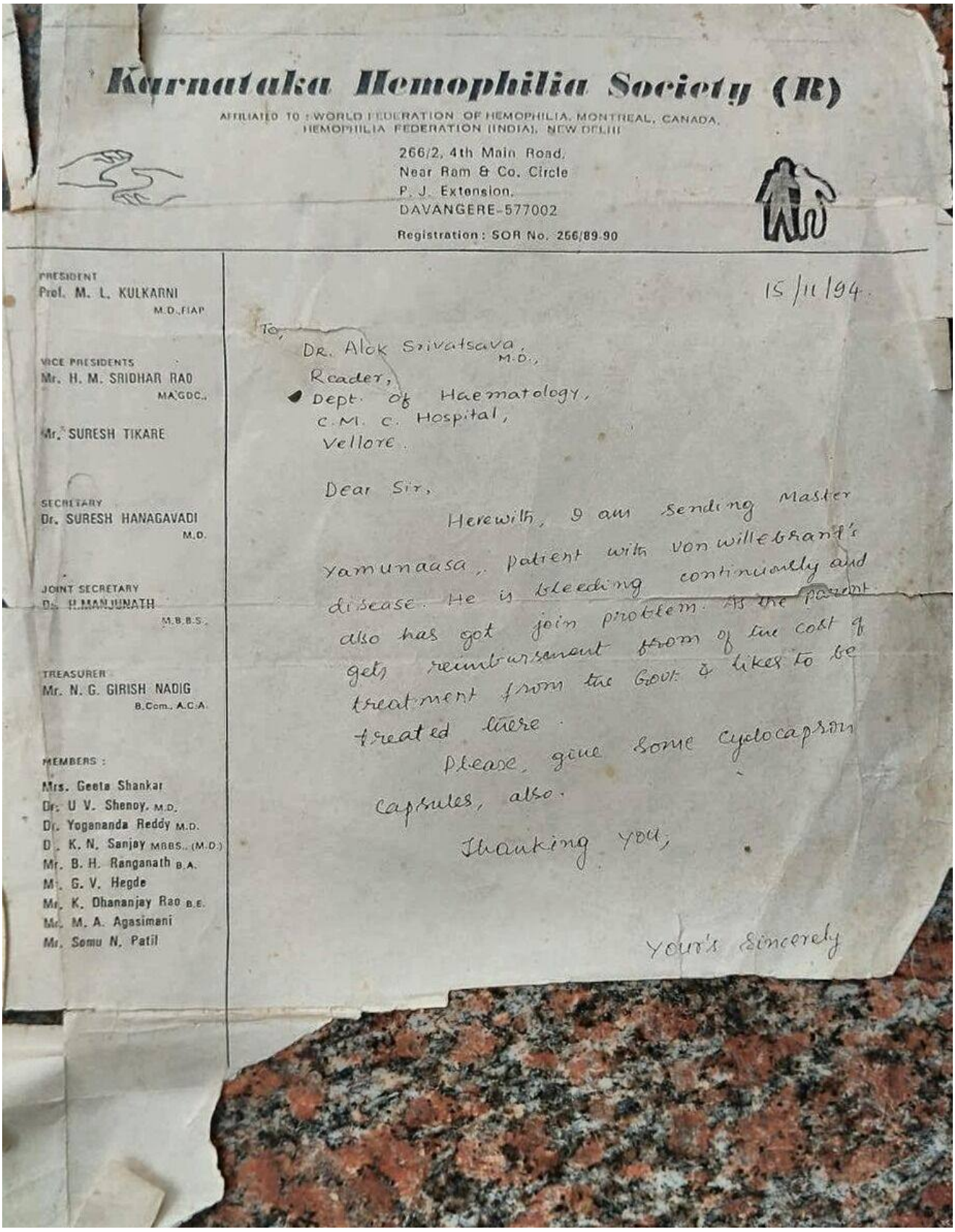
C.C. to Dr. Suresh Hanagavadi

Dear Mr. Dayanand
Pl. arrange to get 50 tablets of Cyklokapron.

Regional Chapters : PATNA, DELHI, AHMEDABAD, BANGALORE, DAVENGERE, TRIVANDRUM, BOMBAY, PUNE, BHOPAL, CHANDIGARH, MADRAS, BAREILLY, KANPUR, CALCUTTA.

Hemophilia Federation (India), New Delhi, 29 December 1992 — letter to Prof. M. L. Kulkarni, Karnataka Hemophilia Society, on the limited availability and cost of Cyklokapron tablets.

Annexure A-11



Karnataka Hemophilia Society (R)

AFFILIATED TO : WORLD FEDERATION OF HEMOPHILIA, MONTREAL, CANADA.
HEMOPHILIA FEDERATION (INDIA), NEW DELHI

266/2, 4th Main Road,
Near Ram & Co. Circle
P. J. Extension,
DAVANGERE-577002

Registration : SOR No. 256/89-90

PRESIDENT
Prof. M. L. KULKARNI M.D.,FIAP

VICE PRESIDENTS
Mr. H. M. SRIDHAR RAO MA,GDC.
Mr. SURESH TIKARE

SECRETARY
Dr. SURESH HANAGAVADI M.D.

JOINT SECRETARY
Dr. H MANJUNATH M.B.B.S.

TREASURER
Mr. N. G. GIRISH NADIG B.Com., A.C.A.

MEMBERS :
Mrs. Geeta Shankar
Dr. U V. Shenoy, M.D.
Dr. Yogananda Reddy M.D.
Dr. K. N. Sanjay MBBS., (M.D.)
Mr. B. H. Ranganath B.A.
Mr. G. V. Hegde
Mr. K. Dhananjay Rao B.E.
Mr. M. A. Agasimani
Mr. Somu N. Patil

15/11/94.

To,
Dr. Alok Srivatsava, M.D.,
Reader,
Dept. of Haematology,
C.M.C. Hospital,
Vellore.

Dear Sir,

Herewith, I am sending Master Yamunaasa, patient with von willebrand's disease. He is bleeding continuously and also has got join problem. As the parent gets reimbursement from of the cost of treatment from the Govt. & likes to be treated there.

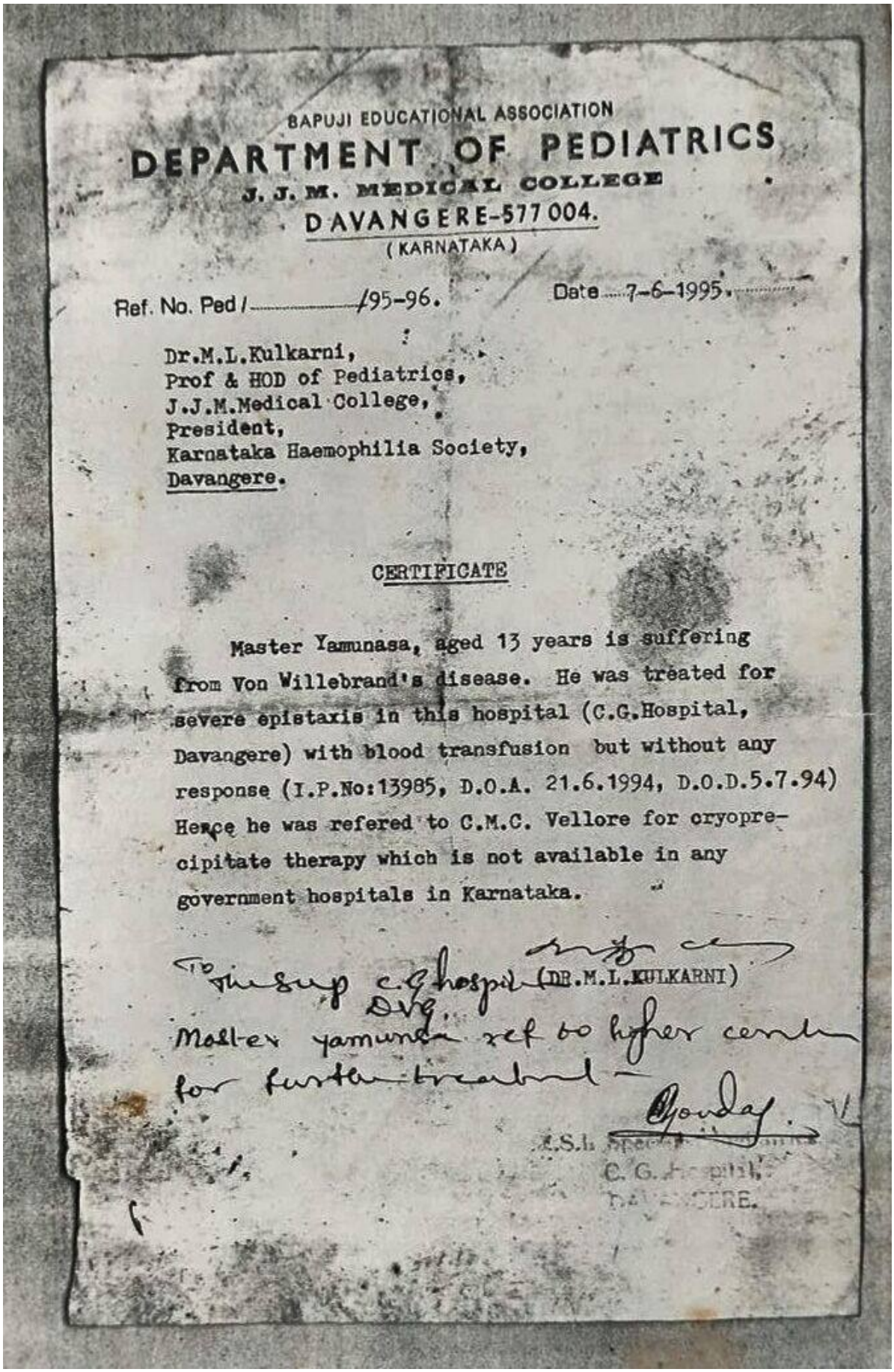
Please, give some cyclocapsom capsules, also.

Thanking you,

Your's Sincerely

Karnataka Hemophilia Society (R), 15 November 1994 — referral letter from Prof. M. L. Kulkarni to the Department of Haematology, C.M.C. Vellore, for a patient with von Willebrand disease, noting the cost barrier to treatment.

Annexure A-12



BAPUJI EDUCATIONAL ASSOCIATION

DEPARTMENT OF PEDIATRICS

J. J. M. MEDICAL COLLEGE

DAVANGERE-577 004.

(KARNATAKA)

Ref. No. Ped/ /95-96. Date 7-6-1995.

Dr.M.L.Kulkarni,
Prof & HOD of Pediatrics,
J.J.M.Medical College,
President,
Karnataka Haemophilia Society,
Davangere.

CERTIFICATE

Master Yamunasa, aged 13 years is suffering from Von Willebrand's disease. He was treated for severe epistaxis in this hospital (C.G.Hospital, Davangere) with blood transfusion but without any response (I.P.No:13985, D.O.A. 21.6.1994, D.O.D.5.7.94) Hence he was refered to C.M.C. Vellore for cryoprecipitate therapy which is not available in any government hospitals in Karnataka.

(DR.M.L.KULKARNI)

To the sup C.G hospital
DVG.
Mast-ex yamunasa ref to higher centre for further treatment —

Gowday

C. G. Hospital,
DAVANGERE.

Department of Paediatrics, J.J.M. Medical College, Davangere, 7 June 1995 — clinical certificate issued by Dr. M. L. Kulkarni, Professor & Head and President of the Karnataka Haemophilia Society, recording treatment and referral of a

13-year-old patient with von Willebrand disease.

Annexure A-13

Karnataka Hemophilia Society (R)

AFFILIATED TO : WORLD FEDERATION OF HEMOPHILIA, MONTREAL, CANADA.
HEMOPHILIA FEDERATION (INDIA), NEW DELHI

266/2, 4th Main Road,
Near Ram & Co. Circle
P. J. Extension,
DAVANGERE-577002

Registration : SOR No. 256/89-90

ESIDENT
of. M. L. KULKARNI
M.D.,FIAP

ICE PRESIDENTS
r. H. M. SRIDHAR RAO
MA,GDC.,

r. SURESH TIKARE

ECRETARY
r. SURESH HANAGAVADI
M.D.

OINT SECRETARY
r. H.MANJUNATH
M.B.B.S.,

REASURER
Mr. N. G. GIRISH NADIG
B.Com., A.C.A.

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eeta Shankar
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Mr. M. A. Agasimani
Mr. Somu N. Patil

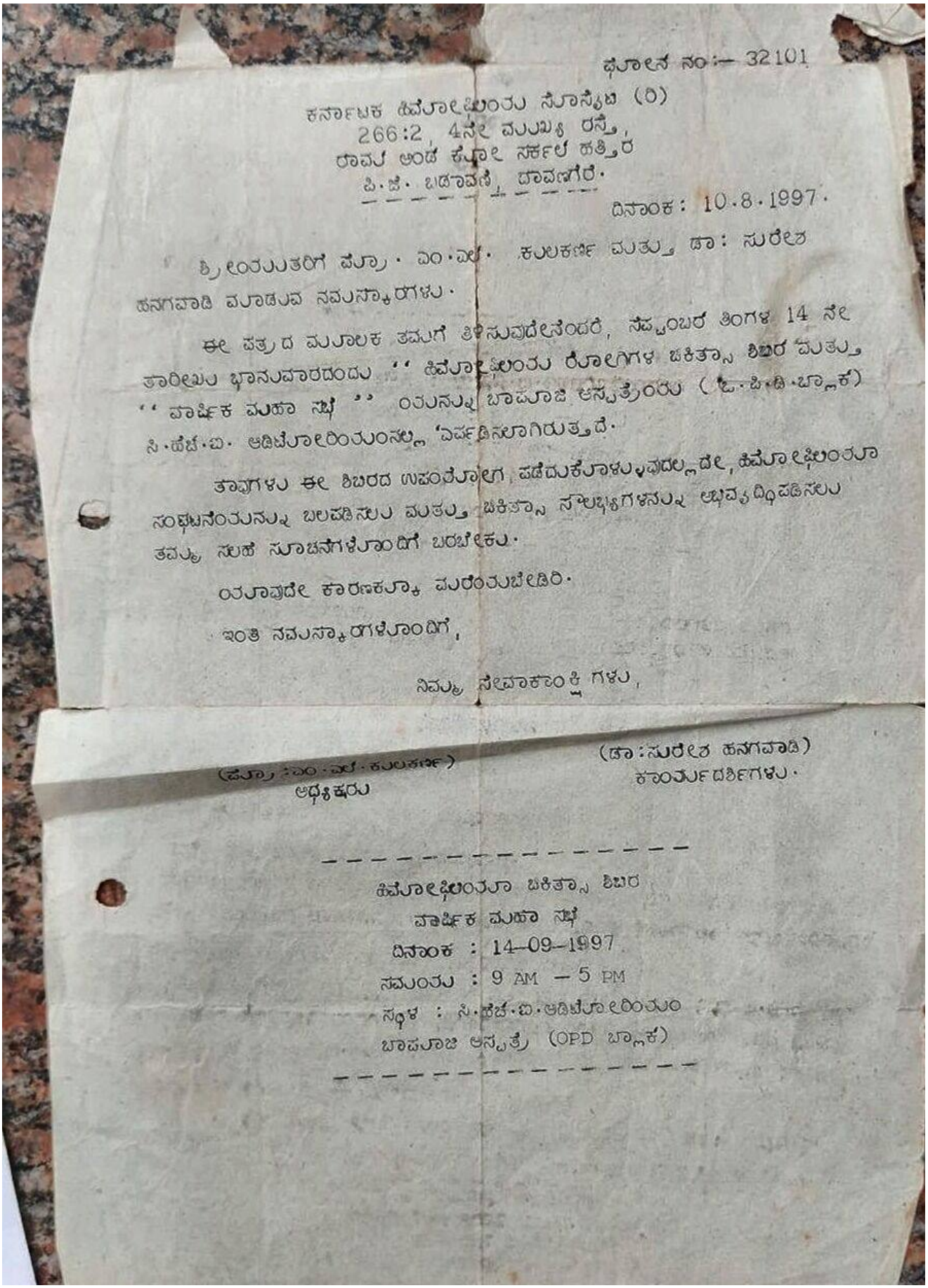
TO WHOM IT MAY CONCERN

This is to certify that Master YAMUNAASA S/O.A.SHIVARAM is suffering from life long bleeding disorder, von willebrand's Disease. As it is incurable, he has to receive life long treatment at every instance of bleeding.

PROF.M.L.KULKARNI,
M.D.,FIAP.,
President.

Karnataka Hemophilia Society (R) — certificate signed by Prof. M. L. Kulkarni, M.D., F.I.A.P., President, confirming that a patient with von Willebrand disease requires lifelong treatment at every episode of bleeding.

Annexure A-14



ಫೋನ ನಂ:– 32101

ಕರ್ನಾಟಕ ಹಿಮೋಫಿಲಿಯಾ ಸೊಸೈಟಿ (ರಿ)
266:2, 4ನೇ ಮುಖ್ಯ ರಸ್ತೆ,
ರಾಮ ಅಂಡ ಕೆಫೆ ಸರ್ಕಲ್ ಹತ್ತಿರ
ಪಿ.ಜಿ. ಬಡಾವಣೆ, ದಾವಣಗೆರೆ.

ದಿನಾಂಕ: 10.8.1997.

ಶ್ರೀಯುತರಿಗೆ ಪ್ರಾ. ಎಂ.ಎಲ್. ಕುಲಕರ್ಣಿ ಮತ್ತು ಡಾ: ಸುರೇಶ ಹನಗವಾಡಿ ಮಾಡುವ ನಮಸ್ಕಾರಗಳು.

ಈ ಪತ್ರದ ಮೂಲಕ ತಮಗೆ ತಿಳಿಸುವುದೇನೆಂದರೆ, ಸೆಪ್ಟಂಬರ ತಿಂಗಳ 14 ನೇ ತಾರೀಖು ಭಾನುವಾರದಂದು '' ಹಿಮೋಫಿಲಿಯಾ ರೋಗಿಗಳ ಚಿಕಿತ್ಸಾ ಶಿಬಿರ ಮತ್ತು '' ವಾರ್ಷಿಕ ಮಹಾ ಸಭೆ '' ಯನ್ನು ಬಾಪೂಜಿ ಆಸ್ಪತ್ರೆಯಲ್ಲಿ (ಓ.ಪಿ.ಡಿ.ಬ್ಲಾಕ್) ಸಿ.ಹೆಚ್.ಬಿ. ಆಡಿಟೋರಿಯಂನಲ್ಲಿ 'ವ್ಯವಸ್ಥಿತವಾಗಿರುತ್ತದೆ.

ತಾವುಗಳು ಈ ಶಿಬಿರದ ಉಪಯೋಗ ಪಡೆದುಕೊಳ್ಳುವುದಲ್ಲದೇ, ಹಿಮೋಫಿಲಿಯಾ ಸಂಘಟನೆಯನ್ನು ಬಲಪಡಿಸಲು ಮತ್ತು ಚಿಕಿತ್ಸಾ ಸೌಲಭ್ಯಗಳನ್ನು ಲಭ್ಯವಿದ್ಧಿಪಡಿಸಲು ತಮ್ಮ ಸಲಹೆ ಸೂಚನೆಗಳೊಂದಿಗೆ ಬರಬೇಕು.

ಯಾವುದೇ ಕಾರಣಕ್ಕೂ ತಪ್ಪಿಸಬೇಡಿರಿ.

ಇಂತಿ ನಮಸ್ಕಾರಗಳೊಂದಿಗೆ,

ನಿಮ್ಮ ಸೇವಾಕಾಂಕ್ಷಿಗಳು,

(ಪ್ರಾ:ಎಂ.ಎಲ್.ಕುಲಕರ್ಣಿ)
ಅಧ್ಯಕ್ಷರು

(ಡಾ:ಸುರೇಶ ಹನಗವಾಡಿ)
ಕಾರ್ಯದರ್ಶಿಗಳು.

ಹಿಮೋಫಿಲಿಯಾ ಚಿಕಿತ್ಸಾ ಶಿಬಿರ
ವಾರ್ಷಿಕ ಮಹಾ ಸಭೆ
ದಿನಾಂಕ : 14–09–1997
ಸಮಯ : 9 AM – 5 PM
ಸ್ಥಳ : ಸಿ.ಹೆಚ್.ಬಿ.ಆಡಿಟೋರಿಯಂ
ಬಾಪೂಜಿ ಆಸ್ಪತ್ರೆ (OPD ಬ್ಲಾಕ್)

Karnataka Hemophilia Society (R), 10 August 1997 — circular in Kannada announcing a haemophilia camp at the hospital OPD on 14 September 1997, 9 a.m. to 5 p.m.