CONTRIBUTORS LIST

Philip Abraham
MD, FCPS (Med.), DNB (GE), FICP
Professor and Head, Department of Gastroenterology, Seth G.S. Medical College and KEM Hospital; Consultant Gastroenterologist, P.D. Hinduja National Hospital, Mumbai.

S. K. Acharya
MD, DM, FASc
Professor, Department of Gastroenterology, All India Institute of Medical Sciences, New Delhi.

Vidya N. Acharya
MD, FAMS, FISN, FICP, FIMSA
Director-Prof. Post Graduate Studies in Nephrology, Muljiibhai Patel Society for Research in Nephro-Urology and Hospital, Nadiad, South Gujarat.

Prabha Adhikari
MD
Professor and Head, Department of Medicine, Kasturba Medical College, Mangalore.

P. Advaiitham
MD, DM (Gastro.)
Professor and Head, Department of Gastroenterology, Madurai Medical College, Madurai.

S. H. Advani
MD, DNB, FICP, Ph.D, FNAMS
Director, Medical Oncology, Jaslok Hospital and Research Centre, Mumbai.

Awdhes K. Agarwal
MD, FNCCP
Physician, Dr. RML Hospital Gomati Nagar, Lucknow.

M. B. Agarwal
MD, MNAMS
Hon. Professor of Medicine and In-charge: Division of Haematology, Department of Medicine, LTM Medical College, Mumbai.

Amita Aggarwal
DM (Clinical Immunology)
Associate Professor (Clinical Immunology), Department of Immunology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow.

Praveen Aggarwal
MD, DNB, FICP, MNAMS
Additional Professor of Emergency Medicine, All India Institute of Medical Sciences, New Delhi.

Rakesh Aggarwal
DM (Gastroenterology)
Additional Professor, Department of Gastroenterology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow.

J. K. Agrawal
MD, DM (Endocrinology), FAMS
Former Professor and Head, Department of Endocrinology, Institute of Medical Sciences, Banaras Hindu University, Varanasi.

G. K. Ahuja
MD, FRCP (Edin.)
Senior Consultant, Neurology, Sitaram Bhartia Institute of Sciences and Research, New Delhi.

Alan F. Almeida
MD, MNAMS, FISN
Professor and Head, Department of Nephrology, Seth G.S. Medical College and KEM Hospital, Mumbai.

Deepak Amarapurkar
MD, DM, FACG, FICP
Consultant Gastroenterologist, Bombay Hospital and Jagjivanram Hospital, Mumbai.

M. S. Amaresan
MD, DM (Nephro.) FISN, FICP (Edin.)
Emeritus Professor, MGR Medical University, Chennai.

Y. K. Amdekar
MD, DCH
Hon. Professor of Paediatrics, Grant Medical College, Mumbai; Hon. Pediatrician, Jaslok Hospital and Breach Candy Hospital, Mumbai.

Pravin Amin
MD
Physician and Intensivist, Bombay Hospital, Mumbai.
<table>
<thead>
<tr>
<th>Name</th>
<th>Designation</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Paul Anand</td>
<td>FRCP (ED), FRCP (Lond.), FICP</td>
<td>Physician Cardiologist, Lady Ratan Tata Medical Centre, Mumbai.</td>
</tr>
<tr>
<td>N. V. Apte</td>
<td>MD</td>
<td>Chief Medical Consultant, ICICI-Prudential Life Insurance Company, Mumbai.</td>
</tr>
<tr>
<td>Brig. P.N. Arora</td>
<td>MD, SFCP</td>
<td>Dy. Director General, Armed Forces Medical Services, Former Professor and Head of Dept. of Dermatology, AFMC, Pune.</td>
</tr>
<tr>
<td>G. R. Arunodaya</td>
<td>MBBS, DM (Neuro)</td>
<td>Additional Professor of Neurology, National Institute of Mental Health and Neurosciences, Bangalore.</td>
</tr>
<tr>
<td>Tester F. Ashavaid</td>
<td>Ph.D. FACB</td>
<td>Consultant Biochemist and Head, Department of Laboratory Medicine, P.D. Hinduja Hospital and Med. Res. Centre, Mumbai.</td>
</tr>
<tr>
<td>Aravinda Babu P.</td>
<td>MBBS</td>
<td>General Manager - Medical Services, Aurobindo Pharma Ltd., Hyderabad.</td>
</tr>
<tr>
<td>Ashok Kumar Bajaj</td>
<td>MD, FICAI</td>
<td>Former Professor, Skin and STD, MLN Medical College, Allahabad</td>
</tr>
<tr>
<td>H. Sudarshan Ballal</td>
<td>MD Board Certified in Int. Medicine Nephrology, Critical Care, USA Director, Manipal Institute of Nephrology and Urology, Bangalore.</td>
<td></td>
</tr>
<tr>
<td>Pradeep Bambery</td>
<td>MD</td>
<td>Additional Professor, Internal Medicine PGIMER, Chandigarh.</td>
</tr>
<tr>
<td>P. P. Bapsy</td>
<td>MD, DM (Med. Oncology)</td>
<td>Professor and Head, Medical Oncology, Kidwai Memorial Institute of Oncology, Bangalore.</td>
</tr>
<tr>
<td>H. S. Bawaskar</td>
<td>MD</td>
<td>Chief Medical Officer, Bawaskar Hospital and Research Centre, Mahad.</td>
</tr>
<tr>
<td>D. Behera</td>
<td>MD, FCPP, FNCCP, FICP, FICA, Dip NBE, MNAMS</td>
<td>Professor, Department of Pulmonary Medicine, PGIMER, Chandigarh.</td>
</tr>
<tr>
<td>S. K. Bhabha</td>
<td>MD, DM</td>
<td>Consultant Neurologist, The Hinduja Hospital and Medical Research Centre, Mumbai.</td>
</tr>
<tr>
<td>Ashit M. Bhagwati</td>
<td>MD, FICP, FICA, ADHA (Hosp. Adm.)</td>
<td>Hon. Consultant Physician and Intensivist, Sir H.N. Hospital, Bhatia General Hospital, D.S. Kothari Hospital, St. Elizabeth’s Hospital, Mumbai.</td>
</tr>
<tr>
<td>Nadir E. Bharucha</td>
<td>MD, FRCP (Lond.), FAMS (India), FRCP Neurology (Canada), Diplomate, American Board of Neurology &amp; Psychiatry (N) Consultant Neurologist, Assoc. Prof. of Neurology, Chief, Dept. of Neuroepidemiology, MRC, Bombay Hospital, Mumbai.</td>
<td></td>
</tr>
<tr>
<td>Deepak Kumar Bhasin</td>
<td>MD, DM (Gastro)</td>
<td>Professor of Gastroenterology, PGIMER, Chandigarh.</td>
</tr>
<tr>
<td>M.L. Bhatia</td>
<td>MD, DM (Card.)</td>
<td>Professor Emeritus, All India Institute of Medical Sciences, New Delhi</td>
</tr>
<tr>
<td>Shobna J. Bhatia</td>
<td>MD, DNB (Gastroenterology)</td>
<td>Professor and Head, Department of Gastroenterology, BYL Nair Charitable Hospital and T.N.Medical College, Mumbai.</td>
</tr>
<tr>
<td>Chetan Bhatt</td>
<td>MD, DNB (Gastroenterology)</td>
<td>Consultant Gastroenterologist, Hepatologist, Diagnostic and Therapeutic Endoscopist, Bhatia and Sir H.N. Hospital, Mumbai.</td>
</tr>
<tr>
<td>Kalyan B. Bhattacharyya</td>
<td>MD, DM, DTM &amp; H, MAMS</td>
<td>Assistant Professor, Department of Neurology, Calcutta National Medical College, Kolkata.</td>
</tr>
</tbody>
</table>
P. C. Bhattacharyya
MD
Professor and Head of Department of Medicine,
Guwahati Medical College, Guwahati, Assam.

Swati Y. Bhave
MBBS, DCH, MD, FCPS
Consultant Paediatrician and Adolescent Expert,
Max Health Service, New Delhi

Manisha Bhutani
MD, DM
Pool Officer, Department Medical Oncology,
Institute Rotary Cancer Hospital,
All India Institute of Medical Sciences, New Delhi

Lata S. Bichile
MD, FICP
Prof. and Head, Medicine, Chief Rheumatology,
Department of Medicine,
Seth G.S. Medical College and K.E.M. Hospital, Mumbai.

S. K. Bichile
MD, FICP
Head, Department of Haematology, TN Medical College and
BYL Nair Hospital, DS Koshi Hospital, Bhatia Hospital,
Motiben Dalvi Hospital, Mumbai.

Aspi R. Billimoria
MD
Former Head, Department of Cardiology,
St. George’s Hospital and Grant Medical College.
Cardiologist, Conwest Jain Clinic Group of Hospitals, Mumbai.

Freny E. Billimoria
MD, DVD
Professor and Head of Dermatology,
BJ Medical College and Civil Hospital, Ahmedabad.

Nirupa E. Borges
MD
Professor and Head of Dept. of Medicine, Chief of Rheumatology Clinic,
TN Medical College and BYL Nair Hospital, Mumbai.

Ambar Chakravarty
MD, FRCP (Lond.), FRCP (Edin.), FICP
Prof. and Head, Neurology Department,
Vivekananda Institute of Medical Sciences, Kolkata.

Ashok Chandra
MBBS, MD, MRCP(UK), FRCP, FICP
Prof. of Medicine, KG Medical College, Lucknow.

S. Chandrasekharan
MD
Prof. of Medicine, Sri Ramachandra Medical College and
Research Institute (Deemed University), Chennai.

Mammen Chandy
MD, FRACP, FRCPA
Professor and Head of Haematology,
Christian Medical College, Vellore.

S. M. Channabasavanna
MD, DPM, FAMS
Prof. Emeritus in Psychiatry, Former Director and Vice Chancellor,
National Institute of Mental Health and Neuro Sciences, Bangalore

B. S. Chaubey
MD, FRCP (Lond.), FAMS, FICP
Consultant Physician, Nagpur.

Govind B. Chavhan
MD, DNB
Assoc. Consultant, Jankharia Imaging,
383, Sardar V. P. Road, Mumbai - 400004.

Yogesh K. Chawla
MD, DM (Gastro)
Professor and Head, Department of Hepatology,
PGIMER, Chandigarh.

A. R. Chogle
MD (Medicine & Therapeutics)
Hon. Physician, Kasturba Hospital, Hon. Asst. Professor,
T.N. Medical College, Hon. Consultant Physician, H.N. Hospital,
Hon. Rheumatologist, Motiben Dalvi Hospital, Mumbai.

Arvind Chopra
MD, DNB, FACR
Consultant Rheumatologist & Hon. Assoc. Professor, Inlaks and
Budhrani Hospital and Bharat Hospital and Medical College;
Director, Rheumatology, Centre for Rheumatic Diseases, Pune.

Abhijeet Chowdhury
DM (Gastro)
Lecturer, Department of Gastroenterology,
Institute of Post Graduate Medical Education & Research, Kolkata.

Gourdas Chouduri
MD, DM, FICP, FACG
Additional Professor of Gastroenterology,
Sanjay Gandhi Post Graduate Inst. of Medical Sciences, Lucknow.
<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>K. S. Chugh</td>
<td>Emeritus Prof. of Nephrology, PGIMER and Dean, Faculty of Medical Sciences, Baba Farid University of Health Sciences, Chandigarh.</td>
</tr>
<tr>
<td>S. N. Chugh</td>
<td>Associate Professor, Incharge of Endocrine and Metabolism, PGIMS, Rohtak, Haryana.</td>
</tr>
<tr>
<td>Aashish S. Contractor</td>
<td>Head, Cardiac Rehabilitation Department, Cumballa Hill Hospital and Heart Institute, Asian Heart Institute, Mumbai.</td>
</tr>
<tr>
<td>Jamshed J. Dalal</td>
<td>Consultant Cardiologist Hinduja Hospital, Lilavati Hospital, Breach Candy Hospital, Mumbai.</td>
</tr>
<tr>
<td>P. M. Dalal</td>
<td>Senior Consultant Neurologist: Lilavati Hospital and Research Centre; Research Director: LKMM Trust Research Centre, Mumbai.</td>
</tr>
<tr>
<td>Bharat Dalvi</td>
<td>Paediatric Cardiologist, Glenmark Cardiac Centre, Mumbai.</td>
</tr>
<tr>
<td>Sudeshna S. Dalvi</td>
<td>Assoc. Prof. of Clinical Pharmacology, Seth G.S. Medical College and KEM Hospital, Mumbai.</td>
</tr>
<tr>
<td>A. K. Das</td>
<td>Dean &amp; Director, Professor and Head, Department of Medicine, JIPMER, Pondicherry.</td>
</tr>
<tr>
<td>K.V. Krishna Das</td>
<td>Retired Director and Professor, Medical College, Trivandrum.</td>
</tr>
<tr>
<td>Prabhat R. Das</td>
<td>Consultant, Pulmonary and Critical Care Medicine, New Jersey, USA</td>
</tr>
<tr>
<td>Siddharth Kumar Das</td>
<td>Professor, Department of Medicine, CSM Medical University, KG Medical College, Lucknow.</td>
</tr>
<tr>
<td>Sidhartha Das</td>
<td>Senior Consultant in Medicine and Diabetology, Profesor, P.G. Department of Medicine, Cuttack.</td>
</tr>
<tr>
<td>Anupam Dasgupta</td>
<td>Professor and Head of Department, Institute of Neurology, Advanced Medical Research Institute, Kolkata.</td>
</tr>
<tr>
<td>S. C. Dash</td>
<td>Prof. &amp; Head, Department of Nephrology, Hypertension and Dialysis, All India Institute of Medical Sciences, New Delhi</td>
</tr>
<tr>
<td>F. D. Dastur</td>
<td>Consultant Physician, P.D. Hinduja National Hospital and Medical Research Centre, Mumbai.</td>
</tr>
<tr>
<td>C. N. Deivanayagam</td>
<td>Professor of Thoracic Medicine (Retd.), Government Stanley Medical College, Chennai.</td>
</tr>
<tr>
<td>Avinash M. Deo</td>
<td>Consultant Medical Oncologist and Haematologist, Holy Family, Guru Nanak and Dhanwantari Hospital, Mumbai.</td>
</tr>
<tr>
<td>Anil D. Desai</td>
<td>Senior Consultant Neurologist, Jaslok Hospital and Research Centre, Mumbai.</td>
</tr>
<tr>
<td>H. G. Desai</td>
<td>Hon. Gastroenterologist, Jaslok Hospital and Research Centre, Bhatia General Hospital, Mumbai.</td>
</tr>
<tr>
<td>Shrinivas B. Desai</td>
<td>Head, Department of Imaging and Interventional Radiology, Jaslok Hospital and Research Centre, Mumbai.</td>
</tr>
</tbody>
</table>
Contributors

Alaka Deshpande  
MD, MAMS, FIMSA  
Professor and Head, Department of Medicine,  
Grant Medical College and Sir J.J.Group of Hospitals, Mumbai.

B. G. Dharmanand  
MD  
Consultant Rheumatologist, Manipal Hospital, Bangalore

Pankaj Dhawan  
MD, DNB, DM  
Hon. Gastroenterologist, Jaslok Hospital and Research Centre,  
Chief of Endoscopy, Digestive Diseases and Endoscopy Centre,  
Motiben Dalvi Hospital, Mumbai.

G. K. Dube  
MD  
Chief Physician, Mure Memorial Hospital,  
Radha Krishna Hospital, Nagpur.

J. K. Dutta  
MBBS, FRCP, DCH, FIAMS  
Ex-Professor and Head of Department of Medicine,  
B.S. Medical College, Bankura.

Rui J. Fernandes  
MD (Bom.), DVD, DDV  
Hon. Professor, Department of Dermatology, (Retd.)  
Seth G.S. Medical College and KEM Hospital, Mumbai.

D. A. Gadkari  
M.Sc., Ph.D  
National Institute of Virology, Pune.

Bhupendra Gandhi  
MD  
Consultant Nephrologist,  
Bhatia Hospital, Jaslok Hospital and  
Breach Candy Hospital, Mumbai.

M. J. Gandhi  
MD, FAMS, FICC, FICP, FICE  
Head Cardiology, Nanavati Hospital Heart Institute;  
Ex-Professor and Head, LTM Medical College and Sion Hospital,  
Mumbai.

Ravindra Kumar Garg  
MD, DM (Neuro)  
Assistant Professor, Department of Neurology,  
Chhatrapati Shahahuji Maharaj Medical University,  
(Upgraded King George’s Medical College), Lucknow.

B. K. Girdhar  
MD  
Dy. Director, (Sr. Grade) and Head, Clinical Division,  
Central Jalma Institute for Leprosy, Agra.

M. R. Girinath  
MS, M.Ch., FRACS  
Chief Cardiovascular Surgeon,  
Apollo Hospital, Chennai

Nithya J. Gogtay  
MD, DNB (Pharmacology), DNB (Clinical Pharmacology)  
Lecturer in Clinical Pharmacology,  
Seth G.S. Medical College and KEM Hospital, Mumbai.

R. Gopal  
MD  
Consultant Medical Oncologist,  
S.L. Raheja Hospital and Lilavati Hospital, Mumbai.

R. K. Goyal  
MD, FICA, FAGS, FICP  
Professor and Head Department of Medicine,  
J.L.N. Medical College and Hospital, Ajmer.

P. D. Gulati  
MD, FAMS, FISN, FAIID, FICP, FIMSA  
Sr. Hon. Consultant, Department of Nephrology,  
Tirath Ram Shah Hospital; Formerly, Head of Division of Nephrology,  
M.A. Medical College and Associated Hospital, New Delhi.

J. S. Guleria  
MD, DM (Card.), FAMS, FNCCP, FICP, FCCP (USA)  
Formerly, Dean, Professor and Head, Dept. of Medicine,  
All India Institute of Medical Sciences; Sr. Consultant in Medicine,  
Sitaram Bhartia Inst. of Sciences and Research, New Delhi.

Randeep Guleria  
MD (Med.), DM (Pulmonary Med.), MAMS  
Additional Professor, Department of Medicine,  
All India Institute of Medical Sciences, New Delhi.

Samir K. Gupta  
MBBS, FRCP, Ed, FCCP (USA), FNCCP (IND), FICP (IND)  
Hon. Director, Institute for Respiratory Disease, Kolkata.

Pushpa D. Gupte  
MD (Skin), DV & D (Bom)  
Hon. Prof. and Head of Department Dermatology and Venerology,  
G.S. Medical College and KEM Hospital, Mumbai.
Contributors

C. M. Habibullah
MD, DM, FACC, FAMS, FNASC.
Director, Centre for Liver Research and Diagnostics,
Deccan College of Medical Sciences and Allied Hospitals, Hyderabad.

Avi Hakim
MD, DNB, MRCP (UK), FICP
Associate Prof. of Medicine, T.N. Medical College and
BYL Nair Charitable Hospital, Mumbai.

Rohini Handa
MD, DNB, MNAMS, FICP, FACR
Additional Professor of Medicine,
Rheumatology and Clinical Immunology Service,
All India Institute of Medical Sciences, New Delhi.

N. K. Hase
MD, DNB (Nephro.)
Professor of Medicine, LTM Medical College and
Sion Hospital, Mumbai.

D. K. Hazra
MD, Ph.D. (London), FICP, FIACM, FAMS, FICNM
Advisor in Nuclear Medicine and Chief Consultant,
Nuclear Medicine Unit, SN Medical College, Agra.

H. S. Hira
MD, DM, FCCP, FIMSA, FNCCP
Professor of Medicine, Head, Pulmonary Medicine, Sleep Center
and RICU Maulana Azad Medical College and Associated Hospitals,
New Delhi.

Chakko Korula Jacob
MD, DM, MNAMS (Nephrt.)
Prof. and Head, Department of Nephrology,
Christian Medical College, Vellore.

Praveen K. Jain
MD
Consultant Intensivist,
Lilavati Hospital and Research Centre;
Sir H.N. Hospital, Mumbai.

G. R. Jankharia
DMRD, DMRE, FRCT, FICR
Consultant Diagnostic Radiologist and Chairman,
Dr. Jankharia’s Imaging Centre, Head of Radiology Department,
Sir H.N. Hospital, Mumbai.

Late Vasant V. Jayakar
MD
Consulting Physician,
Sir. H.N. Hospital, Jaslok Hospital, Lilavati Hospital, Mumbai.

R. V. Jayakumar
MBBS, MD, DM, MNAMS, FRCP
Ex-Prof. and Head of Medicine,
Medical College Hospital, Kottayam;
Consultant, Amritha Institute of Medical Sciences, Cochin.

H. R. Jerajani
MD
Professor and Head, Department of Dermatology,
LTM Medical College and Sion Hospital, Mumbai.

Vivekanand Jha
MD, DM
Associate Professor of Nephrology, PGIMER, Chandigarh.

Farah Jijina
MD
Associate Professor, Department of Haematology,
KEM Hospital and Seth G.S. Medical College, Mumbai.

S. K. Jindal
MD, FAMS, FCCP, FNCCP
Professor and Head, Department of Pulmonary Medicine,
PGIMER, Chandigarh.

George John
MD, FRACP, FIICM
Professor of Medicine, Medical Intensive Care,
Christain Medical College, Vellore.

Surg. Capt. M. J. John
MD, DUWM (Leningrad)
Senior Adviser in Marine Medicine and
Psychiatrist : Institute of Naval Medicine, INHS Asvini.

T. Jacob John
FRCP (E), Ph.D.
Former Professor and Head, Dept. of Clinical Virology,
Christian Medical College and Hospital, Vellore.

Anant Joshi
MS (Ortho.), D. Ortho, Master of Sports Sciences (USA)
Consultant : Orthopedic Surgeon and Arthroscopy Specialist,
Bombay Hospital, Mumbai.

J. M. Joshi
MD
Professor and Head, Department of Respiratory Medicine,
T.N. Medical College and BYL Nair Charitable Hospital, Mumbai.
P. L. Joshi  
MD, MAMS  
Joint Director, National AIDS Control Organisation.

Shashank R. Joshi  
MD, DM, FICN, Clinical Fellow, USA, FICP  
Chief, Division of Endocrinology and Metabolism,  
Dept. of Medicine, MGM Hospital; Endocrinologist, Lilavati Hospital,  
Sushrusha Hospital, Sir H.N. Hospital;  
Hon. Ass. Prof. Dept. of Med. Grant Medical College, Mumbai.

V. R. Joshi  
MD  
Director of Res. and Cons. Physician & Rheumatologist,  
PD Hinduja National Hosp. & Res. Centre;  
Formerly, Prof. & HOD of Medicine & Rheumatology,  ω TN Medical College & BYL Nair Ch. Hosp., Mumbai.

M. A. Kabeer  
MD  
Consultant Physician, Zohra Madni Hospital, Chennai.

Veena Kalra  
MD  
Additional Professor, Department of Paediatrics,  
All India Institute of Medical Sciences, New Delhi.

R. H. Kalro  
MD, FICP, FRCP (Lond.)  
Ex. Professor and Head of Gastroenterology,  
BYL Nair Charitable Hospital and T.N. Medical College,  
Ex-Hon. Gastroenterologist, Bombay Hospital and  
Medical Research Centre, Mumbai.

Sandhya A. Kamath  
MD, FICP  
Head, Dept. of Medicine,  ω TN Medical College and BYL Nair Hospital, Mumbai.

K. Kannan  
MD, MD (Endo.), FICP, BGL  
Senior Clinical Professor of Endocrinology, Madurai.

Farhad Kapadia  
MD, FRCP, DA (UK), DICC (Europe)  
Consultant Physician and Intensivist,  
P.D. Hinduja Hospital, Mumbai.

Dilip R. Karnad  
MD, FACP, FRCP (Glasg)  
Professor of Medicine,  
Seth G.S. Medical College and K.E.M. Hospital, Mumbai.

Ravi R. Kasliwal  
MD, DM, FICSA, MNAMS  
Senior Consultant Cardiologist, Head of the Department  
Non-Invasive Cardiology,  
Heart Stations and Community Outreach Programme,  
Escorts Heart Institute and Research Centre, New Delhi.

Brig. A.S. Kasthuri, VSM  
MD (Med.), FCCP, FICA, FICP  
Formerly Professor and Head, Department of Medicine,  
Armed Forces Medical College, Pune.

S. M. Katrak  
MD, DM (Neuro), FIAN  
Consultant Neurologist, Jaslok Hospital and Research Centre,  
Former Professor and Head of Department of Neurology,  
Grant Medical College and Sir J.J. Group of Hospitals, Mumbai.

Upendra Kaul  
MD, DM (Cardiology), FACC, FAMS, FSCAI  
Director, Interventional Cardiology,  
Batra Hospital and Medical Research Centre, New Delhi.

U. A. Kaul  
MD, DM (Cardiology), FACC  
Director, Professor, Department of Cardiology,  
G.B. Pant Hospital, New Delhi.

Rohini Kelkar  
MD, DPB  
Professor and Head Department of Microbiology,  
Tata Memorial Hospital, Mumbai.

Prafulla G. Kerkar  
MD, DM (Card.), DNB (Card.), FACC  
Professor and Head, Department of Cardiology,  
Seth G.S. Medical College and K.E.M. Hospital, Mumbai.

Nina Khanna  
MBBS, MD  
Assoc. Professor, Department of Dermatology and Venereology,  
All India Institute of Medical Sciences, New Delhi.

Sanjeev Khanna  
MD  
Consultant Gastroenterologist, Lilavati Hospital, Holy Family  
Hospital, Guru Nanak Hospital, Bhatia General Hospital, Mumbai.

Uday S. Khopkar  
MD, DNB  
Professor and Head, Department of Dermatology,  
Seth G.S. Medical College and K.E.M. Hospital, Mumbai.
<table>
<thead>
<tr>
<th>Contributors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>R. P. Khubchandani</strong></td>
</tr>
<tr>
<td>MD</td>
</tr>
<tr>
<td>Consultant Pediatrician, Jaslok Hospital and Research Centre and Breach Candy Hospital; Formerly Asst. Hon. Paediatrician and Asst. Professor, Kasturba Hospital, Mumbai.</td>
</tr>
</tbody>
</table>

| **Rakesh Kochhar**  |
| MD, DM, MNAMS        |
| Additional Professor, PGIMER, Chandigarh. |

| **Vinod Kochupillai**  |
| MBBS, FRCP            |
| Chief. Inst. Rotary Cancer Hospital, Prof. and Head. Medical Oncology, AIIMS, New Delhi. |

| **Suren V. Kothari**  |
| MD, DMRE, DMRD, DMRT (Bom.), FICA, AIUM (USA) |
| Consultant Radiologist, Hon. Professor, Department of Radiology, T.N. Medical College, BYL Nair Charitable Hospital, Mumbai. |

| **Lt. Col. B. A. Krishna**  |
| MBBS, DRM, MNAMS            |
| Chief of Nuclear Medicine, P.D. Hinduja Hospital, Mumbai. |

| **V. Krishnamurthy**  |
| MD, DM (Rheumatology)    |
| Asst. Professor of Rheumatology, Government Stanley Medical College, Chennai. |

| **Lt. Gen. N. R. Krishnan**  |
| MD, FCCP, FICA, FIMSA, FICP |
| Consultant, G.K.N.M. Hospital, Coimbatore. |

| **Shanker Krishnaswami**  |
| MD, DM, FRCP, FACC, FAMS  |
| Director of Cardiology, Vijaya Hospital, Chennai. |

| **Kamala Krishnaswamy**  |
| MD, FAMS, FNA, FASC, FNASE, FAPASc |
| Former Director, National Institute of Nutrition, Jamai-Osmania, Hyderabad. |

| **Nilima A. Kshirsagar**  |
| MD, DNB (Clin. Pharm), DCL Ph, Ph.D, MNAMS, FNAMS |
| Dean, Prof.& Head, Department of Clinical Pharmacology, Seth G.S. Medical College and K.E.M. Hospital, Mumbai |

| **Madhuri Kulkarni**  |
| MD, DCH               |
| Professor and Head, Department of Paediatrics, LTMM College and Sion Hospital, Mumbai. |

| **Vrinda Kulkarni**  |
| MD (Gen. Medicine) |
| Associate Professor, Department of Medicine, BYL Nair Charitable Hospital and T.N. Medical College, Mumbai. |

| **D.D.S. Kulpati**  |
| MBBS, MD, FCCP (USA), FICAL, FNCCP, FGSI, FICP, FIMSA, FDAI |
| Sr. Consultant and Chairman, Department of Pulmonology and Sleep Medicine, Sir Ganga Ram Hospital, New Delhi. |

| **Bhushan Kumar**  |
| MD, MNAMS         |
| Professor and Head, Department of Dermatology, PGIMER, Chandigarh. |

| **Nirmal Kumar**  |
| MD, DM            |
| Department of Gastroenterology, GB Pant Hospital, New Delhi. |

| **Vinod Kumar**  |
| MD               |
| Senior Geriatric Physician, New Delhi; Ex-Professor, Department of Medicine, Geriatric Clinic, AIIMS, New Delhi. |

| **N. B. Kumta**  |
| MD, DCH, FIAP, FICP |
| Former Hon. Professor and Head, Department of Paediatrics and Chief Genetics Division and Genetics Laboratories, KEM Hospital and Seth G.S. Medical College, Mumbai. |

| **R. D. Lele**  |
| MBBS, MRCP (Edin.), FRCP (Lond.), DTM and H (Eng.), Hon. D.Sc. |
| Hon. Chief Physician and Director of Nuclear Medicine, Jaslok Hosp. & Res. Centre & Lilavati Hosp.; Emeritus Prof. of Med. (for life) & Ex-Dean, Grant Medical College & Sir JJ Group of Hospitals, Mumbai. |

| **Yash Y. Lokhandwala**  |
| DM (Cardiology) |
| Associate Professor of Cardiology, Seth G.S. Medical College and KEM Hospital, Mumbai; Consultant Cardiologist, Arrhythmia Associates, Mumbai. |

| **Ashok A. Mahashur**  |
| MD |
| Consultant Chest Physician, P. D. Hinduja National Hospital and Medical Research Centre, Mumbai |
Contributors

S. Mahendran
MD
Consultant, Department of Critical Care,
Sundaram Medical Foundation, Chennai.

Tushar P. Medhekar
MD, MNAMS (Med.), MRCP (UK)
Honorary Associate Professor of Medicine,
KEM Hospital and Seth GS Medical College, Mumbai,
Honorary Physician, Lilavati Hospital and Shrusrsha Hospital, Mumbai.

M. Maiya
MBBS, FRCP (Lond.) FRCP (Edin.) FRCP (Glasg.) FICC, FICP
Consultant Physician and Cardiologist and
Former, Professor of Medicine,
Karnataka Medical Service, Bangalore.

M. M. Mehdiratta
MD, DPNBE (Med.), DM (Neurology), MNAMS, FICP
Prof. and Head of Neurology G.B. Pant Hospital, New Delhi.

Anand N. Malaviya
MD, FACP, FACC, FAMS, FNA Sc
Consultant Rheumatologist:
A and R Clinic for Arthritis and Rheumatism, New Delhi.

N. K. Mehra
Ph.D, FNA Sc
Professor and Head, Department of Transplant, Immunology and
Immunogenetics, All India Institute of Medical Sciences, New Delhi.

K. K. Malhotra
MD, FAMS, FICP, FISN, FICN
Senior Consultant and Head, Department of Nephrology, PSRI,
Formerly Head, Department of Medicine and Nephrology,
AIIMS, New Delhi.

Ajita P. Mehta
MD, DPB
Consultant Microbiologist,
P. D. Hinduja National Hospital, Mumbai.

J. K. Maniar
MD, DVD, DDV
Ex-Hon. Professor of Skin and AIDS, Grant Medical College,
Consultant, Bhatia and Jaslok Hospital, Mumbai.

Ashwin B. Mehta
MD, FISE
Director of Cardiology, Jaslo Hospital, Mumbai;
Ex-Hon. Prof. Department of Cardiology,
LTMM College and Sion Hospital, Mumbai.

P. C. Manoria
MD, DM, FISE, FCCP, FICP, FICN
Former Professor and Head, Dept. of Cardiology GMC, Bhopal and Hon. Cardiologist,
Divisional Railway Hospital Bhopal.

B. C. Mehta
FRCP (Edin.), D.Sc. (Bom.)
Hon. Haematologist, Nanavati Hospital,
BJ Wadia Children’s Hospital, Bhabha Atomic Research Centre;
Director, Blood Research Centre, Mumbai.

Dilip Mathai
MD
Professor, Department of General Medicine,
Unit 1 and HIV and Tropical Medicine, Vellore.

Divyesh G. Mehta
MD, ABIM, ABIM (Hematology) (USA)
Medical Director, Blue Cross Institute of Blood and Cancer Care,
Baroda.

Meenakshi N. Mehta
MD, DCH, FIAP, FICN
Consultant Pediatrician and Professor of Pediatrics,
Terna Medical College and MGM Hospital, New Mumbai.

V. I. Mathan
MD, Ph.D, FRCP, FAMS, FNA
Senior Advisor, NACO, Ministry of Health.

V. R. Mehta
MBBS, DVD, FCPS
Emeritus Prof. of Dermatology, LTMM College and Sion Hosp.,
Consultant Dermatologist,
P.D. Hinduja National Hosp. & S.L. Raheja Hosp.,
All India Institute of Diabetes, Mumbai.

M. Thomas Mathew
MD, DM (Nephro) FISN, FAGE
Prof. and Head of Dept. of Nephrology (Retd.), Medical College,
Calicut, Consultant Nephrologist, Baby Memorial Hospital, Calicut.

V. S. Mehta
MBBS, MS (Gen. Surgery.), M.Ch. (Neurosurgery)
Chief of Neurosciences Centre,
Professor and Head of Department of Neurosurgery and
Gamma Knife Centre, AIIMS, New Delhi.
Contributors

Padma S. Menon
MD
Professor and Head, Endocrinology,
KEM Hospital and G.S. Medical College, Mumbai.

N. P. Misra
MD, FRCP, FAMS, FAPI, FNCCP, FAID, FISE, FCCP, FICA
Professor and Head, Department of Medicine and Dean,
Hamidia Hospital, Bhopal, Emeritus - Professor of Medicine,
Gandhi Medical College, Bhopal.

Ramnath Misra
MD
Professor, Clinical Immunology, Department of Clinical Immunology,
Sanjay Gandhi Post Graduate Institute of Medical Science, Lucknow

U. K. Misra
MD, DM, MNAMS
Professor and Head, Department of Neurology,
Sanjay Gandhi Post-Graduate Institute of Medical Sciences,
Lucknow.

Ambrish Mithal
MD, DM
Senior Consultant, Endocrinology and Diabetes,
Indraprastha Apollo Hospital, New Delhi.

D. K. Mitra
MD
Retd. Professor and Head, Department of Medicine,
B.J. Medical College, Pune, B.V. Medical College
(Deemed University) Pune.

V. Mohan
MD, MNAMS, Ph.D, D.Sc, MRCP
Director,
M.V. Diabetes Specialities Centre (P) LTD and
Madras Diabetes Research Foundation, Chennai.

K. M. Mohandas
MD, DNB
Professor and Head,
Division of Digestive Diseases and Clinical Nutrition,
Tata Memorial Hospital, Mumbai.

K. C. Mohanty
MD, TDD, FCCP
Ex-Dir. Professor and Head of Dept., T.B. and Chest,
Grant Medical College; Professor and Head of Dept., TB and Chest,
K.J. Somaiya Medical College, Mumbai.

Sukumar Mukherjee
MD, FRCP (Lond.), FRCP (Edin.)
Professor and Head (Ex.), Medical College, Consultant Physician,
Calcutta Medical Res. Institute, Kothari Medical Centre, Kolkata.

Rita Mulherkar
MD
Head, Laboratory of Genetic Engineering,
Cancer Research Institute, Tata Memorial Centre, Mumbai.

Y. P. Munjal
MD, FICP, FIACM, FIAMS, FACP, FCRC
Medical Director, Jaipur Golden Hospital, New Delhi.

Sushil C. Munsi
DM (Card.) FRCP, FACC (USA), FICP, FISE, FICC, FICA (USA)
Director of Cardiac Research and Education and
Consultant Cardiologist, Jaslok Hospital, Mumbai.

J. M. K. Murthy
MD, DM, MNAMS
Chief of Neurology,
The Institute of Neurological Sciences Care Hospital, Hyderabad.

Pratima Murthy
MD
Associate Professor, Department of Psychiatry,
NIMHANS, Bangalore.

Milind Y. Nadkar
MD, FICP
Professor of Medicine,
Seth G.S. Medical College and K.E.M. Hospital, Mumbai.

D. Nagaraja
MBBS, DM (Neuro), DPM (Psych.), MAMS
Professor of Neurology,
National Institute of Mental Health and Neurosciences, Bangalore.

R. Nagarathna
MD, FRCP (UK)
Chief Yoga Therapy Consultant,
Swami Vivekananda Yoga Research Foundation, Bangalore.

M. U. R. Naidu
MD, FCCP, FIPS
Professor and Head,
Department of Clinical Pharmacology and Therapeutics,
Nizam’s Institute of Medical Sciences, Hyderabad.

Late S. R. Naik
MD, FNASc
Professor and Head, Department of Gastroenterology,
Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow.
**Contributors**

**Sudhir Naik**
MD, DM  
Dean, Mediciti Institute of Medical Sciences,  
Director, Cardiology: Mediciti Hospitals, Hyderabad.

**Lt. Col. Velu Nair**
MBBS, MD  
Head of Department of Haematology, Command Hospital, Kolkata.

**K. G. Nair**
MD, Ph.D. (Chicago), FAACC (USA), FPCC (Hon.) FAMS, FASc, FICP  
Consultant Physician and Cardiologist,  
Former Director, Breach Candy Hospital, Mumbai.

**P. Namperumalsamy**
MS, FAMS  
Director,  
Aravind Eye Hospital and Postgraduate Institute of Ophthalmology, Madurai.

**Sucharita A. Nanivadekar**
B.Sc. (Hons), MD, FACG  
Consultant Gastroenterologist, Mumbai.

**M. Narendranathan**
MD, DM, MPH  
Professor and Head, Department of Gastroenterology, Medical College, Thiruvananthapuram.

**Janmejaya Nayak**
MD, MD (Path. and Bact.), Ph. D (Clinical Haematology)  
Ex-Professor and Head of Dept.,  
Department of Clinical Haematology, S.C.B. Medical College, Cuttack, Orissa.

**Vineet Nayyar**
MD, FRACP, FFICM  
Consultant and Head Department of Critical Care and Emergency Services, Manipal Hospital, Bangalore.

**K. D. Nihalani**
MD, FAIIID  
Endocrinologist, S.L. Raheja Hospital and All India Institute of Diabetes;  
Ex-Prof. and Head, Department of Endocrinology, Dean and Director, T.N. Medical College, Mumbai.

**Chetan Oberoi**
MD, DDV, DNB  
Prof. and Head,  
Department of Skin & VD Grant Medical College & Sir J.J. Hospital, Mumbai, Consultant Lilavati Hospital.

**Sten Olsson**
MSCI (Pharm.)  
Head, External Affairs,  
WHO Collaboratory Centre for International Drug Monitoring.

**D. B. Pahlajani**
MD, FACC  
Consultant Cardiologist and Chief of Cardiac Cathetisation Laboratories, Breach Candy Hospital, Mumbai.

**Ganesh Pai**
MD, DVD  
Professor and Head, Department of Dermatology, Kasturba Medical College, Mangalore.

**A. J. Pai Dhungat**
MD, FCCP (USA)  
Former Professor and Head, Department of Medicine, BYL Nair Charitable Hospital and TN Medical College, Mumbai.

**J. N. Pande**
MD, FAMS  
Professor and Head, Department of Medicine, All India Institute of Medical Sciences, New Delhi.

**Ravinder K. Pandhi**
MD, MNAMS  
Professor and Head, Department of Dermato-Venereology, All India Institute of Medical Sciences, New Delhi.

**Sunil K. Pandya**
MS  
Neurosurgeon, Jaslok Hospital and Research Centre, Mumbai.

**Manotosh Panja**
MD, DM (Card.) FAACC (USA)  
Professor and Head of Cardiology, Institute of Postgraduate Medical Education and Research and SSKM Hospital, Kolkata.

**Sunil J. Parekh**
MD  
Consultant Haematologist, Mumbai

**Falguni S. Parikh**
MD, DNB, FICP  
Associate Professor of Medicine, BYL Nair Charitable Hospital and T.N. Medical College, Mumbai.
<table>
<thead>
<tr>
<th>Name</th>
<th>Designations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purvish M. Parikh</td>
<td>MD, DNB, FICP, Ph.D.  Additional Professor of Medicine, Oncology and Haematology, Tata Memorial Hospital, Mumbai.</td>
</tr>
<tr>
<td>Ketan Parmar</td>
<td>MD, DPM, FIPS  Consultant Psychiatrist, H.N. Hospital, D.S. Kothari Hospital; Hon. Assistant Psychiatrist, K.B. Bhabha Hospital, Mumbai.</td>
</tr>
<tr>
<td>Atul Patel</td>
<td>MD (Med.)  Physician, Consultant in Infectious Diseases, Ahmedabad.</td>
</tr>
<tr>
<td>Kirti C. Patel</td>
<td>MD, FRCP (UK)  Hon. Professor of Medicine, Seth G.S. Medical College and K.E.M. Hospital, Mumbai.</td>
</tr>
<tr>
<td>Kirti M. Patel</td>
<td>MD  Professor of Medical Oncology, B.J. Medical College, Ahmedabad, Chief of M.O. Unit I, Gujarat Cancer and Research Institute, Ahmedabad.</td>
</tr>
<tr>
<td>Lekha Pathak</td>
<td>DM (Cardiology), MD (Med.), FRCS, FCCP (USA), FICP, FICC, FICE, FACCP (USA) Ex-Hon. Prof., Director and Head, Dept. of Cardiology, Consultant Cardiologist, Sir J.J. Group of Hospitals &amp; Grant Medical College, Mumbai.</td>
</tr>
<tr>
<td>K. Pavithran</td>
<td>MD, DVD, MNAMS  Professor and Head, Department of Dermatology and Venereology, Medical College Hospital, Calicut.</td>
</tr>
<tr>
<td>Sharad Pendsey</td>
<td>MD (Medicine), MDDG (Germany)  Diabetologist, Diabetes Clinic and Research Centre, Nagpur.</td>
</tr>
<tr>
<td>Mrudula Phadke</td>
<td>MD (Ped.), DCH, FIAP  Director, Medical Education, Government of Maharashtra.</td>
</tr>
<tr>
<td>R. B. Phatak</td>
<td>MD  Physician and Diabetologist, S.L. Raheja Hospital, D.S. Kothari Hospital, Motiben Dalvi Hospital, Mumbai.</td>
</tr>
<tr>
<td>Prakash K. Pispati</td>
<td>MD, F.R.S.M. (Lon.)  Consultant Rheumatologist, Jasloki Hospital and Bhatia General Hospital, Mumbai.</td>
</tr>
<tr>
<td>C. S. Pitchumoni</td>
<td>MD, MPH, FRCP, FACCP, MACG  Professor of Medicine and Professor of Community and Preventive Medicine, New York Medical College, New York, USA.</td>
</tr>
<tr>
<td>Lt. Col. B. A. Krishna Prasad</td>
<td>MD  Associate Professor, Department of Physiology, Armed Force Medical College, Pune.</td>
</tr>
<tr>
<td>Binay Prasad</td>
<td>MD (Med), MD (Skin, Dermatology and Venereology)  Consultant Physician and Dermatologist, Patna</td>
</tr>
<tr>
<td>Shirish Prayag</td>
<td>MD, FCCM  Chief Consultant in Critical Care, Shree Medical Foundation Prayag Hospital, Pune, Ex-Hon. Asst. Prof. of Medicine, BJ Medical College &amp; Sassoon Hospital, Pune.</td>
</tr>
<tr>
<td>Sanjay Pujari</td>
<td>MD (Med.)  Director, HIV Project and Department of HIV Medicine, Ruby Hall Clinic, Pune.</td>
</tr>
<tr>
<td>Vinod Raina</td>
<td>MD, FRCP (E)  Add. Professor, Medical Oncology, AIIMS, New Delhi.</td>
</tr>
<tr>
<td>K.K. Raja Babu</td>
<td>MD  Former Professor and Head, Department of Dermatology, Gandhi Hospital and Medical College, Hyderabad.</td>
</tr>
<tr>
<td>Ram E. Rajagopalan</td>
<td>MBBS, AB (Int. Medicine), AB (Critical Care)  Head, Department of Critical Care Medicine, Sundaram Medical Foundation, Chennai.</td>
</tr>
<tr>
<td>M. M. Rajapurkar</td>
<td>MD  Medical Director and Head, Department of Nephrology, Muljibhai Patel Urological Hospital, Nadiad, Gujarat.</td>
</tr>
</tbody>
</table>
R. Rajaram
MD
Consultant, Department of Critical Care, Sundaram Medical Foundation, Chennai.

C. Panchpakesa Rajendran
MD, DM
Professor and Head, Department of Rheumatology, Madras Medical College and Research Institute, Chennai.

H. B. Rajashekhar
MD
Professor and Head, Dept. of Medicine, J.N. Medical College, Belgaum, Karnataka.

B. S. Ramakrishna
MD, DM, Ph.D., FAMS
Professor of Gastroenterology, Christian Medical College and Hospital, Vellore.

K. Ramamoorthy
MD
Hon. Physician, Bombay Hospital Institute of Medical Sciences and Hon. Visiting Physician, Shushrusha Hospital and Lilavati Hospital, Mumbai.

A. Ramachandran
MD, Ph.D, D.Sc, FRCP (Lond.)
Director, Diabetes Research Centre, Chennai.

D. Raghunadha Rao
MD, DM
Head, Department of Medical Oncology, Nizam’s Institute of Medical Sciences, Hyderabad.

D. Rama Rao
MD, FICA, FIMSA, FICC, FICP
Former Professor, Head of Department of Medicine, M.S.R Medical College, Consultant Medi Nova and Mallaya Hospital and Sagar Apollo Hospital, Bangalore.

G. S. Umamaheswara Rao
MD
Professor and Head, Department of Anaesthesia, National Institute of Mental Health and Neurosciences, Bangalore.

Murlidhar S. Rao
MD, FCCP, FICA, FICP, FICC
Professor of Medicine and Ex-Head of Dept., M.R. Medical College and Consultant HKES Basaveshwar Teaching and General Hospital, Gulbarga.

U. R. K. Rao
MD, FIACM
Consultant Rheumatologist, Sri Deepthi Rheumatology Centre, Hyderabad.

G. K. Rath
MD
Professor and Head, Department of Radiation Oncology, All India Institute of Medical Sciences, New Delhi.

K. Ravishankar
MD
Consultant-in-charge, The Headache and Migraine Clinic, Jaslok Hospital and Research Centre, Lilavati Hospital and Research Centre, Mumbai.

G. Subramanyam Reddy
MD, Ph.D.
Medical Superintendent and Head, Dept. of Medicine, Government General Hospital, Pondicherry.

S.N.A. Rizvi
B.Sc, M.B.BS, MD FIAMS, FISN, FICP
Former Director Professor of Medicine, M.A.M. College, Delhi, Presently Senior Consultant Physician, Nephrology/Endocrinology, Apollo Hospital, Delhi.

Camilla Rodrigues
MD
Consultant Microbiologist, Department of Lab Medicine, P.D. Hinduja National Hospital and Medical Research Centre, Mumbai

M. Sabir
MD, FICN, FIAMS, FICP, FGSI, FIACM, WHO Fellow, NJC for Immune. & Resp. Disease (USA)
Associate Professor of Medicine and Head, Resp. Div., Dept. of Medicine, SP Medical College, Bikaner.

Lt. Gen. Y. R. Sachdev AVSM
MBBS; DCN; MD, MD (Ped); FCCP(USA), FICA(N YORK), FRIPHH(London), FAID, FICP, FGSI, FAMS

T. G. Sagar
MD, DM (Med. Oncology)
Deputy Director (C), Cancer Institute (WIA), Chennai.

B. K. Sahay
MD
Retd. Head of Department of Medicine, Osmania Medical College, Hyderabad.
Contributors

Ravindra Nath Sahay
MD
Associate Professor,
Seth G. S. Medical College & K.E.M. Hospital, Mumbai

S. K. Sarin
MD, DM (Gastroenterology)
Professor and Head, Department of Gastroenterology,
G.B. Pant Hospital, New Delhi.

Tapan K. Saikia
MBBS, MD
Professor, Department of Oncology,
Tata Memorial Hospital, Mumbai.

Prabha Sawant
MD
Professor and Head, Department of Gastroenterology,
Lokmanya Tilak Municipal Medical College and Sion Hospital,
Sion, Mumbai.

G. S. Sainani
MD, FRCP (Lond.), FRCP (Edin.), Ph.D, D.Sc., FACC (USA), FAMS, FACP (USA),
FAMS, FCCP (USA), FRSM (Lond.), FAAD, FIAMS, FMASc, FISE, FACP (USA),
FICN, FICA (USA) FICM, FICAM
Emeritus Professor of Med. (for life) Grant Medical College and
J.J. Hospital, Mumbai; Hon. Physician, Jaslok Hosp.;
Hon. Consultant, Armed Forces

V. B. Saxena
MD, D.Ep
Director, Sri. Arobindo Medical Research Centre, Raipur.

R. Sajithkumar
MD (Med.)
State PRAM, Kerala and National Trainer on AIDS,
Infectious Diseases Unit, Government Medical College and Hospital,
Kottayam, Kerala.

Shyamal Sen
MD (Cal), FRCP (Edin.), FRCP (Lond.), FICP, FIAN (Ind.)
Sr. Consultant Neurologist & Ex-Dean,
Vivekananda Inst. of Med. Sciences; National Neurosciences Centre,
(Peerless Hospital); AMRI Apollo Hospitals; Prof. Director,
Dept. of Medicine & Hon. Prof. & Consultant Neurologist;
Inst. of Post Graduate Medical Education & Res. (IPGMER) Kolkata

Vinay Sakhuja
MD, DM (Neph.) MNAMS (Neph.), FISN, FAMS
Professor & Head Department of Nephrology, PGIMER, Chandigarh.

V. Seshiah
MD, D.Sc. (HON)
Medical Director,
Diabetes Unit, Apollo Hospitals, Chennai.

Kshitish Chandra Samal
DM (Endocrinology)
Senior Physician and Endocrinologist, Cuttack

K.K. Sethi
MD, DM, FACC
Director, Interventional Cardiology and Arrhythmia Services,
Sir Ganga Ram Hospital, New Delhi.

Raja Sambandan
MD, DM
Consulting Physician, Chennai.

Anuradha A. Shah
MD, DNB (Resp. Med.), FCCP(USA)
Consultant Pulmonologist, Jaslok Hospital.

A. M. Samuel
MD (Pedi), DCH, FMAS
Former Director Biomedical Group,
Bhabha Atomic Research Centre, Mumbai.

Arun B. Shah
MD, DM (Neurology)
Hon. Assoc. Professor and Head, Department of Neurology,
T.N. Medical College and BYL Nair Hospital,
Consultant, Bombay Hospital, H.N. Hospital, Mumbai.

Pratap Sanchetee
MD, FCP, DM (Neurology)
Consultant Neurologist, Sanchetee Hospital, Jodhpur.

Aasit S. Shah
MD, DM (Card.)
Consultant Cardiologist,
Jaslok Hospital and Research Centre, Mumbai.

S. M. Sapatnekar
MD, MD (PSM), DPH, DM
Director, Haffkine Institute for Training,
Research and Testing, Mumbai.

Bharat V. Shah
MD, DNB (Nephrology)
Dept. of Medicine and Head, Section of Nephrology,
P.D. Hinduja National Hospital, Mumbai.
Pankaj M. Shah  
MD  
Additional Director, Gujarat Cancer and Research Institute, Ahmedabad.

Samir R. Shah  
MD, DM  
Head, Division of Liver Disease Digestive Disease Centre and Bhatia General Hospital, Consultant Hepatologist, Jaslok and Bhatia Hospital, Mumbai.

Sharad C. Shah  
MD, MRCP, RCPS(G), MRCP (Ed.)  
Consultant Gastroenterologist, Sir H.N. Hospital, Jaslok Hospital, Breach Candy Hospital, Ex-Head of Department Gastroenterology, J.J. Hospital and Grant Medical College, Mumbai.

Siddharth N. Shah  
MD, FICP, FACP (Hon.) FRCP (Edin.)  
Post Graduate Teacher, Diploma in Diabetes, University of Mumbai, Consulting Physician and Diabetologist, S.L. Raheja Hospital and All India Institute of Diabetes, Bhatia General Hospital, Sir Hurkisondas N. Hospital, Mumbai.

P. S. Shunker  
MD, FAMS  
Director, Professor of Medicine, K.J. Somaiya Medical College, Mumbai.

Atul Sharma  
MD, DM  
Assistant Professor of Medical Oncology, Institute Rotary Cancer Hospital, All India Institute of Medical Sciences, New Delhi.

B. K. Sharma  
MD, FAMS, FICP, FINS  
Emeritus Professor, Internal Medicine and Former Director, PGIMER, Chandigarh.

M. P. Sharma  
MD, DM, FICP, FAMS  
Professor, Department of Gastroenterology, All India Institute of Medical Sciences, New Delhi.

Raj Kumar Sharma  
MD, DNB, FAMS  
Professor and Head, Department of Nephrology, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow.

S. K. Sharma  
MD  
Professor, Department of Medicine, All India Institute of Medical Science, New Delhi.

Satyavan Sharma  
MD, DM, FACC, FAMS  
Consultant Cardiologist, Bombay Hospital and Medical Research Centre, Mumbai.

Sridhar Sharma  
MD, FRC, Psy, F.RANZCP, (Australia), DPM, FAMS  
Emeritus Prof. in Psychiatry IHBAS, Delhi.

Ashit Sheth  
MD, DPM  
Honorary Professor of Psychiatry, G.S. Medical College and, KEM Hospital, Bombay Hospital, Nanavati Hospital, Mumbai.

Amresh Shrivastava  
MD, DPM  
Director, Prerana Psychiatric Services and Silver Mind Hospital, Mumbai.

Gautam Shroff  
MD, DNB (Med.)  
Clinical Associate, P.D. Hinduja Hospital, Mumbai.

Sunil Shroff  
MS, FRCS (UK)  
Head of Department and Professor, Urology and Renal Transplantation, Sri Ramachandra Medical College, Chennai.

K. Siddappa  
MBBS, MD, DVD  
Professor Emeritus, Department of Dermatology, Venerology and Leprology, JJJ Medical College, Davangere.

Ashutosh Narayan Singh  
MD, FFIACM, FIAMS  
Former Professor and Head, Department of Medicine, Darbhanga Medical College, Laheriasarai.

Gurumohan Singh  
MD, FAMS  
Prof. and Head, Department of Dermatology and Venereology (Retd.) Institute of Medical Sciences, Varanasi.

Kartar Singh  
MD, DM, MNAMS  
Professor and Head. Department of Gastroenterology, PGIMER, Chandigarh.
Contributors

S. K. Singh
MD, DM (Endocrinology)
Reader, Head, Department of Endocrinology and Metabolism,
IMS, BHU Varanasi.

Surjit Singh
MBBS, MD
Professor, Department of Internal Medicine,
PGIMER, Chandigarh.

Virendra Singh
MBBS, MD
Associate Professor (Med.), SMS, Medical College, Jaipur.

B. S. Singhal
MD, FRCP (Lond.), FRCP (Edin.), FAMS
Prof. and Head Dept. of Neurology,
Bombay Hospital Inst. of Medical Sciences; Ex-Professor and Head,
Neurology, Grant Medical College and Sir J.J. Hospital, Mumbai.

Y. N. Sinha
MBBS, D Ortho., A.F.L.H.
Dy. Director, Central Labour Research Institute, Sion, Mumbai.

Rajeev Soman
MD
Consultant Physician, P.D. Hinduja National Hospital, Mumbai

Jehangir S. Sorabjee
MD, FRCP (Lond.), DTM+H (Lond.)
Consulting Physician,
Bombay Hospital Institute of Medical Sciences, Mumbai.

G. R. Sridhar
MD, DM (Endo.)
Consultant, Endocrine and Diabetes Centre, Visakhapatnam.

C. R. Srinivas
MD
Professor and Head, Department of Dermatology,
P.S.G. Hospital, Coimbatore.

Krishnamoorthy Srinivas
DM, FRCP (Glas), FRCP (Edin), FRCP (Lond.) FAMS, FACP, FICP
Visiting Professor of Neurology,
Sri Ramchandran Medical College and Research Institute, Chennai;
Sri Venkateswara Institute of Medical Sciences, Tirupati.

K. Sriram
MBBS, FRCS (Canada), FACS, FACN, Diplomate, American Board of Surgery,
American Board of Nutrition
Hon. Prof. of General Surgery and Surgical Critical Care,
Sri Ramachandra Medical College, Chennai

Usha Sriram
MD, DM
Consultant Endocrinologist,
K.V. Kalyani Medical Centre, Chennai.

Alok Srivastava
MD, FRACP, FRCPA
Professor and Head, Department of Haematology,
Christian Medical College Hospital, Vellore

Kakarla Subbarao
MS, FRCR, FACR
Director/Vice-Chancellor,
Nizam’s Institute of Medical Sciences, Hyderabad.

Subbulakshmy N.
MBBS, Dip. in Clinical Neuro (University of London)
Research Consultant in Neurology and Consultant Neurologist,
Dept. of Clinical Neurology and Research, Public Health Centre,
Chennai.

Jamshed D. Sunavala
MD, FCCP
Chief Dept. of Critical Care Medicine, Jaslok Hosp. and Res. Centre,
Consultant Physician & Intensivist,
Breach Candy Hosp. & Res. Centre, Hon. Physician,
B.D. Petit Parsee Gen. Hospital, Mumbai.

N. C. Talwalkar
MD
Consultant Nephrologist, Bangalore Hospital, Bangalore.

Pradeep G. Talwalkar
MD, FICP, FICA
Post Graduate Teacher in Diabetology University of Mumbai,
Hon. Diabetologist, S.L. Raheja Hospital Mumbai,
Ex. Hon. Prof. in Medicine, GMC, Mumbai.

Inder Talwar
MD, DMRD, DMRE
Honorary Professor and Head,
Department of Neuro-Radiology and C.T. Scanning,
Bombay Hospital, Mumbai.

Arun B. Taly
MBBS, MD (Int. Med.), DM (Neurology), MNAMS, FIAN
Professor of Neurology, NIMHANS, Bangalore.
Contributors

P. N. Tandon  
MS, FRCS, D.Sc. (h.c.), FAMS, FNASc, FASC, FTWAS  
Professor Emeritus, Department of Neurosurgery, Neurosciences Centre, All India Institute of Medical Sciences, New Delhi

Rakesh Tandon  
MD, Ph.D, FAMS  
Head, Department of Gastroenterology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi.

Vimal Telang  
M.Sc. (PT), P.G.E.R.  
Section In-charge: Physiotherapy Dept.  
All India Institute of Physical Medicine and Rehabilitation, Mumbai.

Mohini Teotia  
MD, DCH, SHMM (Lond.)  
Consultant Endocrinologist, Former, Professor and Head, Chief Endocrinologist, Post graduate Dept. of Human Metabolism and Endocrinology, L.L.R.M. Medical College, Meerut.

S. P. S. Teotia  
M.D, Ph.D, FAMS, FICP, FRIC, SHMM (Lond.), F.R.S.M. (Engl.), FISFR (USA), DPH (Japan), FICN  
Consultant Endocrinologist Sri Sathya Sai Hospital and Institute of Higher Medical Sciences, Bangalore.

B. B. Thakur  
MD, FICP, FIAMS, FIACM, FISPD  
Professor and Head (Retd.), Department of Medicine, S.K. Medical College, Muzzaffarpur, Bihar.

C. P. Thakur  
MD, FRCP (Lond.), FRCP (Edin.)  
Emeritus Professor of Medicine, Medical College, Patna  
Former, Union Minister of Health, Government of India.

Mathew Thomas  
MD, FICP  
Medical Superintendent  
Professor of Medicine and Haematology, Medical College Hospital, Trivandrum

Bibhuti B. Tripathy  
MD (Pharm.), MD (Med.), D.Sc.  
Former Professor and Head, Postgraduate Department of Medicine, S.C.B. Medical College, Cuttack, Orissa

J. K. Trivedi  
MD  
Professor, Department of Psychiatry, C.S.M. Medical University, Lucknow.

B. T. Tukol  
MBBS, MD, F-CSEP, M-ISCEH  
Professor and Head, Department of Medicine, Head, Sexual Medicine, Bangalore Medicine College, Bangalore.

Lt. Gen. (Retd.) M. A. Tutakane  
MD, DVD  
Vice Chancellor, Symbiosis International Educational Centre, Pune.

Vrajesh Udani  
MD  
Consultant in Child Neurology and Epilepsy, P.D. Hinduja National Hospital and B.J. Wadia Hospital for Children, Mumbai.

Rupa Udeshi  
B.H.Sc., P.G. Dip. Dietet., R.D.  
Consulting Dietitian, Mumbai.

Farokh E. Udwadia  
MD, FRCP, FCPS, FCCP  
Consultant Physician, Breach Candy Hospital, Mumbai

Zarir Udwadia  
MD, DNB, FRCP (London), FCCP (USA)  
Consultant Chest Physician, Hinduja Hospital, Breach Candy Hospital, Parsee General Hospital, Mumbai.

Lt. Col. Sukhbir Singh Uppal  
MD  
Associate Professor, Department of Medicine, Health Sciences Centre, Kuwait University, Safat, Kuwait.

V. N. Vahia  
MD, DPM, MAPA  
Professor of Psychiatry, Dr. R.N. Cooper Hospital and Seth G.S. Medical College, Mumbai.

Ameet R. Valia  
MD, DVD  
Hon. Dermartologist, Sir HN Hospital, BPT Hospital, Mumbai.

R. G. Valia  
MBBS, DVD, FCPS  
Professor and Head, Department of Dermatology, K.J. Somaiya Hospital and Research Centre, Mumbai.
<table>
<thead>
<tr>
<th>Name</th>
<th>Qualifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>K. S. Varadchary</td>
<td>MD, Honorary Professor Grant Medical College, Honorary Physician, G.T. Govt. Hospital, Hon. Physician to the Governor of Maharashtra, Consultant, P.D. Hinduja Hospital, Mumbai.</td>
</tr>
<tr>
<td>Premlata K. Varthakavi</td>
<td>MD, DNB (Endo.), Prof. and Head of Endocrinology, T.N. Medical College and BYL Nair Charitable Hospital, Mumbai.</td>
</tr>
<tr>
<td>C. J. Vas</td>
<td>B.Sc., MD (NU Irel), FRCP (Lond.), Consultant Neurologist, Dept. of Medicine, (Neurology), Goa Medical College, Goa</td>
</tr>
<tr>
<td>Solomon Victor</td>
<td>MS, MS (Thoracic Surgery), MRCP, FRCP, FRCS (Edin.), FRCS (Engl.), FAMS, Director, Consultant Cardiovascular and Thoracic Surgeon, Chennai.</td>
</tr>
<tr>
<td>G. Vijayaraghavan</td>
<td>MD, DM (Card.), FRCP (Edin.), Director of Clinical Services, Head of Department Cardiology, Kerala Institute of Medical Sciences.</td>
</tr>
<tr>
<td>K. Vijayaraghavan</td>
<td>MB., BS., M.Sc (Comm. Health), M.Sc (Appl. Nutrition), Senior Deputy Director, National Institute of Nutrition, Hyderabad</td>
</tr>
<tr>
<td>Amit M. Vora</td>
<td>MD, DM, DNB (Car.), Consultant Cardiologist and Rhythm Specialist, Cumballa Hill Hospital, Breach Candy Hospital, Sant SR Mehta Cardiac Inst., Nanavati Heart Institute, Mumbai.</td>
</tr>
<tr>
<td>S. L. Wadhwa</td>
<td>MD, DDV, FCPS, Honorary Professor and Head, Department of Dermatology and Venerology, BYL Nair Hospital and TN Medical College, Mumbai.</td>
</tr>
<tr>
<td>Rustom S. Wadia</td>
<td>MD, FIAN, FICP, Consulting Neurologist, Ruby Hall Clinic, Poona Medical Research Foundation; Ex-Hon. Professor of Neurology, B.J. Medical College, Poona.</td>
</tr>
<tr>
<td>Sanjay Wagle</td>
<td>MD, MRCP, Intensivist, Bombay Hospital Institute of Medical Sciences, Mumbai.</td>
</tr>
<tr>
<td>Jyoti Prakash Wali</td>
<td>MD, MAMS, FICP, FIMSA, FIACM, FFGSI, FIMAAMS, Professor, All India Institute of Medical Sciences, New Delhi.</td>
</tr>
<tr>
<td>Gurpreet S. Wander</td>
<td>MBBS (Hons) MD (PGI), DM Cardiology, Professor and Chief Cardiologist, Hero DMC Heart Institute, Dayanand Medical College and Hospital, Ludhiana.</td>
</tr>
<tr>
<td>H. S. Wasir</td>
<td>MD (Med.) DM (Card.) FIAMS, FAMS, FNASC, D.Sc., Chief Cardiologist and Medical Advisor, Batra Hospital and Medical Research Centre, New Delhi.</td>
</tr>
<tr>
<td>M. E. Yeolekar</td>
<td>MD, MNAMS, FICN, FICP, Dean, Chief Medical ICU, Professor of Internal Medicine, Lokmanya Tilak Municipal Medical College and Sion Hospital, Mumbai</td>
</tr>
<tr>
<td>Abdul Hamid Zargar</td>
<td>MBBS, MD, DM, Professor and Head, Department of Endocrinology, Sheri-I-Kashmir Institute of Medical Sciences, Soursa, Srinagar.</td>
</tr>
</tbody>
</table>