

DR PIYUSH GUPTA

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BRIEF INTRODUCTION

Piyush Gupta MD, FAMS, FIAP, FNNE is a renowned academician, teacher, researcher, author and editor with 30 years' experience in the field of Child Health and Care, Medical education, Research, and Publishing. He is presently working as Professor of Pediatrics at University College of Medical Sciences, at New Delhi. Dr Piyush Gupta has received national and international recognition in the fields of Child survival, Nutrition, Medical Education, and Biomedical Editing. He has served as the Editor-in-Chief of '*Indian Pediatrics*,' (International indexed peer reviewed official journal of the Indian Academy of Pediatrics, Impact factor 1.048) for 6 years (2008-2013). He is a member of World Association of Medical Editors (WAME) and has been a member of the International Editorial Board of *The Journal of Pediatrics*, USA (2016-2018). He has edited/authored 30 textbooks and published 200 papers in indexed journals. He is the Chief Academic Editor of IAP Textbook of Pediatrics, since last 10 years over 3 editions. He has also edited IAP Color Atlas of Pediatrics and IAP Principles of Pediatric Emergencies. His 3-volume PG Textbook of Pediatrics is a well-accepted landmark Textbook of Pediatrics in India for postgraduates. He has conducted clinical trials in the field of Nutrition, Diarrhea, and Newborn health. His current research on vitamin D in childhood illnesses is receiving rave international reviews. He has been actively involved in training of health professionals and community for rational management of diarrhea, severe acute malnutrition, and essential newborn health through IAP and Unicef. He has anchored more than 200 programs on All India Radio for increasing health awareness of common disorders in the community. He has delivered 10 orations, including the prestigious KL Wig Oration in the field of Medical Education in India; IAP Nutrition Chapter's Harbhagwan Kumar Oration, and Orations by IAP Bihar, IAP Rajasthan, IAP Kerala, and IAP Twin city. He has also served as the Joint secretary of South Asia Pediatrics Association for 3 years.

He has been conferred Fellowships by the Indian Academy of Pediatrics, National Neonatology Forum, and National Academy of Medical Sciences, India. Royal College of Paediatrics, UK has awarded him a visiting fellowship. American Academy of Pediatrics awarded him for his work on micronutrients in child health. In 2014, he was awarded the prestigious KL Wig Oration of National Academy of Medical Sciences for achievements in the field of Medical education in India. He has served as technical expert/advisor on policy-making and research to Indian Council of Medical Research, Government of India, World Health Organization, UNICEF, and other organizations working for Child survival. Recently, he was awarded the Distinguished Teacher Award by the Vice-President of India.

Curriculum Vitae

Dr. Piyush Gupta, MD, FAMS, FIAP, FNNF (*Male, Indian National*)

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Date of Birth: December 30, 1960 *Qualifications:* MBBS (1983); MD Pediatrics (1987)

Current Assignments

1. Professor and Head, Department of Pediatrics at University College of Medical Sciences, New Delhi, India. *Job profile:* Head of Unit in General Pediatrics; teaching of undergraduate and postgraduate medical students, preparing educational material, supervision of research, carrying and reporting independent clinical trials, and patient care. *Experience in medical education and research:* 30 years (till date)
2. *Faculty In-charge*, Medical Education Unit, University College of Medical Sciences (2018-2020)
3. *Member*, Editorial Board, *Journal of Postgraduate Medicine*. Mumbai: Wolters Kluwer. Indexed with PubMed (January 2017 till date).
4. *Member*, Editorial Board, *Journal of National Academy of Medical Sciences, India*. New Delhi. (January 2018 till date).
5. *Member*, *State Technical Advisory Group on Immunization*, Delhi. Since January 2018.

Past Assignments

1. *Editor in Chief, Indian Pediatrics* (indexed international peer-reviewed journal) (2008-2013). Job profile: manuscript editing, decision-making, communication with authors, and policy making of the journal. The journal is the official publication of Indian Academy of Pediatrics and indexed in SCIE, Medline and Current Contents. The current print order is 22,000 per month; free full-text is available online. Impact factor 1.040.
2. *Member, International Editorial Board, The Journal of Pediatrics, USA* (Impact factor: 3.79) from January 1, 2016 for 3 years. The Journal of Pediatrics ranks in the top 2.3% of the 4,779 scientific journals most frequently cited.
3. WHO Temporary advisor, SEARO region 2005-2006; for Injury prevention and control.
4. Visiting Professor, B. P. Koirala Institute of Health Sciences (BPKIHS), Dharan, Nepal (2003)
5. Trustee member, Child Health Foundation (CHF), India - An NGO working in the field of Immunization and child survival (2011-2015)
6. *Joint Secretary, South Asia Pediatric Association* (2014-2016)

Thrust Areas

Child survival and Nutrition; Medical education; and Biomedical editing.

Awards and Grants

A. International awards

1. Scholarship Award by JAMA (Journal of American Medical Association) for training in Biomedical Editing, Chicago, U.S.A-2005
2. Travel Grant Award: American Academy of Pediatrics, U.S.A-2004.
3. Visiting Fellowship: Royal college of Paediatrics and Child Health, London, U.K., 2000.

B. Awards by the National Societies

4. Distinguished Teacher Award (2015): National Board of Examination, New Delhi. Sep 21, 2018
5. Fellowship: National Neonatology Forum (FNMF): 11 Dec 2015
6. Fellowship: National Academy of Medical Sciences (FAMS): 2011
7. Fellowship; Indian Academy of Pediatrics (FIAP): 2003

C. Awarded Orations

1. Sh. PN Krishnamurthy Memorial Oration. My tryst with Medical Education. 6th National Conference of Pediatric Education. Shri Guru Ramdas University of Health Sciences, Amritsar, Punjab. 27 October 2018.
2. Harbhagwan Kumar Oration. The Sunlight Vitamin: Do we need routine supplementation? 2nd PedNutricon. Nutrition Chapter of Indian Academy of Pediatrics. New Delhi September 9, 2018.
3. Pedicon Theme Oration. The 10 Advances in Pediatrics. Indian Academy of Pediatrics, Rajasthan. RajPedicon 2016. Mount Abu December 19-20, 2016.

4. Dr KL Wig Memorial Oration for Medical Education, National Academy of Medical Sciences, AIIMS Rishikesh, 18 October 2014.
5. Dr T Yadhiah Goud Memorial Lecture on Vitamin D, Indian Academy of Pediatrics, Twin City Branch, Hyderabad and Secunderabad, Hyderabad, September 28,2014.
6. Dr BN Das Oration, Indian Academy of Pediatrics, Bihar Branch; Patna, Bihar. March 2013
7. Convocation Address (as Chief Guest). CMC-L FAIMER Fellowships in Medical Education Annual convocation, Ludhiana, Feb 11, 2013.
8. Dr Sisir K Bose Oration, Institute of Child Health, Kolkata, West Bengal. September 19, 2012.
9. IAP Kerala Theme Oration, 39th Annual Conference of IAP, Kerala Branch; Kollam, Kerala. 6-7 Nov 2010.
10. National Oration, Child Development Center, University of Kerala. Thiruvananthapuram, Kerala. 26 July 2009;
11. Dr Gaya Prasad Memorial Oration, Indian Academy of Pediatrics, Bihar Branch; Saharasa, Bihar. Nov 2008.

Novel Contribution to Teaching

Workshops on Art and Science of Paper Writing

To encourage young faculty and train them in reporting research findings, Dr Piyush Gupta has conceptualized National Workshops on Art & Science of Paper Writing. He has been the Chief organizer and lead faculty of these workshops. The first of these workshops was organized on 26-27 September 2009 at New Delhi, supported by Medical Council of India. ICMR also funded

later workshops. Till date 15 workshops have been held all over India. Dr Gupta has also trained health professions in paper-writing in Bangladesh and Sri Lanka.

Organization of Professional Programs for Promotion of Medical Education and Attainment of Excellence in Quality of Patient Care

IAP-UNICEF National Program for Increasing ORS and Zinc Use in Diarrhea

Dr Gupta organized and executed the IAP-UNICEF Evidence based Program on Rational Management of Diarrhea as the Joint National coordinator. He was the nodal person from Indian Academy of Pediatrics (IAP) to organize the National consultative meet, Training of trainers, 5 Zonal workshops for 150 Heads of Department of Medical Colleges, and 8 State level and 32 district training workshops for more than 1100 pediatricians between September 2009 and December 2010. He also co-authored an editorial on this activity (Indian Pediatrics 2010;47:215-7).

Guidelines for Rational Use of Antibiotics in Pneumonia

Dr Gupta was commissioned by the InCLEN and MCH-STAR to develop a White paper on Rational Use of Antibiotics for Pneumonia. For this Dr Gupta convened a core committee consisting of subject and public health experts from Govt of India, International agencies and Professors of Medical Colleges. Guidelines are published (Indian Pediatrics 2010;47:11-8).

Education of Health Personnel in Newborn care

Dr. Gupta worked for training of Medical Officers in districts of India carrying a high infant mortality rate, under the aegis of District Newborn Training Program of Ministry of Health, Family Welfare, Government of India and National Neonatology Forum. Trained more than 250

medical officers in backward remote districts of Odisha, Rajasthan, Bihar, Jharkhand, Chhattisgarh, UP, and Uttarakhand. While in Nepal (on deputation to BPKIHS, Dharan), Dr. Gupta organized and participated in community health delivery and health education programs and camps in the remote villages of eastern Nepal. He is also a Core group Member for promotion of Baby Friendly Hospital Initiative, Govt. of Delhi; and Master Trainer for Reproductive and Child Health Program. Govt. of India. Organized and conducted more than 20 training programs for Medical Officers, LHVs, and ANMs, from Sept 2000 till date.

Community based health education

Dr Piyush Gupta has written health articles in Hindi which have been published in Sarita (Delhi Press, Delhi) and Yojana (GoI publication, Delhi). Besides, he is scripting and anchoring/compeering health programs for All India Radio, for last 20 years, on regular basis (at least once a month). The programs are designed for raising community awareness for lay public through audio mass media and include Talks, Panel discussion, Health quiz and Phone-in programs. He has prepared and presented more than 250 such programs on diverse topics ranging from prevention of communicable and non-communicable diseases, to nutrition, environment, maternal and child health, geriatrics, primary health care, disability and handicap, accidents and injuries, occupational health, health education and planning, and national health programs. Dr Gupta has also been interviewed by BBC Radio, London.

Piyush Gupta has also co-authored a book on Prevention of Road Accidents in Hindi (*Sadak Durghatna: Bachav Sambhav*) for the lay public to increase awareness regarding prevention of Injuries because of traffic accidents. This book was also awarded a publication grant by Hindi Academy. He also scripted a video-film on 'Environment' for Delhi Doordarshan.

Promotion of Medical Education

Dr. Piyush Gupta is a professor of Pediatrics and teacher par excellence. He has 33 years of teaching experience for undergraduates and 30 years for postgraduate students. Dr Piyush Gupta is a facilitator and resource person for three diverse curricula strategies in medical education, viz. (i) traditional teaching: at Faculty of Medicine, University of Delhi; (ii) community oriented curriculum based on SPICES model: at BPKIHS, Dharan, Nepal, and (iii) distance medical education: at Indira Gandhi National Open University, New Delhi. Piyush Gupta was awarded a visiting fellowship by the Royal College of Pediatrics and Child Health in the field of Medical education, at the Center for Medical Education, Dundee, UK. He was also deputed by Govt. of India as a Visiting faculty to BPKIHS, Dharan, a joint Indo-Nepal health venture, to develop the department and initiate postgraduate course in Pediatrics.

Dr Piyush Gupta has two books in the field of Medical Education - “Principles of Medical Education” and “How to Write a Thesis” - which are very popular in medical faculty. Dr Piyush Gupta is the Incharge of Medical Education Unit of University College of Medical Sciences, which has conducted faculty development workshops for both in-house and outstation faculty. He has held several workshops for Faculty of National Board of Examination, Govt. Of India, for thesis and protocol writing. He has held the office of Secretary, Indian Academy of Pediatrics Education Center. Earlier, under the aegis of the same forum, he was a resource person for developing guidelines for undergraduate and postgraduate teaching curriculum in Pediatrics. Dr. Gupta is also a resource person for incorporation of Objective structured Clinical Examination (OSCE) in the practical evaluation of DNB course in Pediatrics, conducted by the National Board of Examination. He is also developing guidelines for thesis writing for DNB students.

Dr Piyush Gupta has authored/edited 31 books/monographs including books on Pediatrics (both UG and PG level textbooks), Clinical Pediatrics, Pediatric Nursing, Pediatric Emergencies, Medical Education, Thesis writing, and Community Medicine. He is also the Academic editor of the official Textbook of Indian Academy of Pediatrics. His other endeavors in the field of medical education are listed:

- Resource Person for development of undergraduate and postgraduate curriculum in Pediatrics in India (through Indian Academy of Pediatrics) and Nepal (B. P. Koirala Institute of Health Sciences, Dharan, Nepal).
- Organizer and faculty for MCI Workshops on Basic Teaching Methodology' for faculty members, conducted by the Medical Education Unit, UCMS at Gwalior Medical College, April 11-13, 2010; and University College of Medical Sciences, February 2010; and at Bundelkhand Medical College, Sagar, MP in 2012.
- In-charge Medical Education Unit, UCMS and part of team developing workshops on protocol and thesis writing, and literature search for postgraduate students. Conducted more than 30 such workshops in last 3 years at Delhi and outside for faculty and postgraduates.
- Expert and examiner for Pediatrics examinations of National Board of Examinations (NBE), India and UPSC; Universities of Delhi, UP, Punjab, Chandigarh, Himachal Pradesh, Bihar, Rajasthan, Haryana, Jammu and Kashmir, Madhya Pradesh, Maharashtra, West Bengal, Nepal, and Malaysia.
- Course designer for Postgraduate Diploma in Maternal and Child Health, School of Health Sciences, Indira Gandhi National Open University (IGNOU). Developed audio

and video programs including teleconferencing (scripting, research and presentation) for this curriculum.

Community based health system research

Dr Gupta was commissioned by the UNICEF and PHFI (Public Health Foundation of India) to develop evidence-based reviews for 4 thematic areas in Child Health to answer pertinent technical and operational issues related to these areas (Home based Newborn Care, Acute Respiratory Infection, Diarrhea, and childhood Anemia). This was a prelude to develop planned advocacy and action by the related stakeholders including the policymakers. Based on the completed reviews (under publication process), a Delphi process, one to one interaction, and group discussions; draft policy briefs are being prepared (2010) by the PHFI for advocacy and action.

Research Grants from National and international Agencies

1. Vitamin D supplementation for Severe Pneumonia in under-five Children: A Double blind Randomized Placebo Controlled Trial. (2012-2015). Funded by ICMR, 49 Lakhs. Principal Investigator.
2. Molecular diagnosis and characterization of drug resistance genes in M. tuberculosis from patients of tuberculous meningitis and its correlation with underlying host factors. (2012-2015). Funded by ICMR, 49 Lakhs. Co-Investigator. Completed.
3. UNICEF-IAP Diarrhea training program (2009-2010). Funded by UNICEF 40 lakhs.

4. Developing systematic reviews on newborn and child health. Public Health Foundation of India and UNICEF. (2010). Principal Investigator: 6 Lacs. Completed.
5. MCH-STAR (USAID) funding of Rs 4.5 lacs utilized for publishing a special issue of Indian Pediatrics on ARI and Tuberculosis; January 2010. Completed
6. UNICEF funding: 9 lacs for publishing special issues of Indian Pediatrics on Severe Acute Malnutrition - August 2010; and Immunization - November 2009. Completed.

Publication & Research

a. Authorship/ Editorship of Books (List attached)

| | <i>Number</i> | <i>Subject</i> |
|---|---------------|---|
| Books (s) /Monographs | 31 | Pediatrics, Pediatric Nursing, Medical Education, Thesis writing, Clinical Methods, Preventive and Social Medicine, Pediatric Emergencies |
| Chapter in textbooks (<i>other than above</i>) | 22 | Pediatrics, Recent Advances, Medical Education, Immunization |

b. Journals (List attached)

| | <i>Number</i> |
|--|---------------|
| Publications in indexed journals Research Papers 62; Research Briefs 9; Medical education, informatics and publication 31, Reviews 19; Biostatistics 3; Case Reports 25; Editorials 18; Others 31 | 198 |
| Citation index of Six best published papers | 58 |
| Average Impact Factor of the Journals in which 6 best papers have been published | 3.0 |

Eminence Among Peers in the Profession as a Person of Distinction

Dr. Piyush Gupta has won peer recognition and national /international acclaim for his efforts in the field of Nutrition, Medical education and Biomedical editing.

Nutrition: His work on the effect of antenatal multi-micronutrient supplement in undernourished women on the birth size and incidence of low birth weight babies won international applause. Dr. Gupta was honored with a travel grant award by the American Academy of Pediatrics (AAP) to present this research at the august gathering of National Conference of AAP at San Francisco, USA in October 2004. Dr Gupta was also invited to deliver a keynote address at the Canadian Micronutrient Conference, May 5-6, 2007, Toronto, on ‘Micronutrients and Child health.’

Dr. Gupta is an executive member of Nutrition subchapter of Indian Academy of Pediatrics and was the core group member for developing Guidelines for Effective Home based care and Treatment of Children with Severe Malnutrition, under the aegis of Department of Human Nutrition, AIIMS; and Indian Academy of Pediatrics. Dr Gupta is member of WHO Group for formulating Modules for Training of health workers for management of severely malnourished children.

He was a resource person for inclusion of “Nutrition in the Medical Curriculum” under the auspices of NFI, CRNSS, ICMR and MCI. He is also a member of the Core group for incorporating “Infant and Young Child Feeding” (IYCF) in undergraduate curriculum, initiated by Breastfeeding Promotion Network of India (BPNI), supported by UNICEF.

At present, he is working in the field of vitamin D. He has published studies on Caffeine intake and Television Viewing habits in adolescents.

Biomedical Editing: Dr. Gupta has served as Editor-in-Chief of *Indian Pediatrics*, the official peer-reviewed indexed journal of the Indian Academy of Pediatrics, from 2008-2013. This is ranked as the topmost specialty journal in India with an Impact factor of near 1. Previously, he has held the position of Associate Editor for 6 years (2002-2007). Dr. Gupta has also conducted and published research related to various aspects of peer-review and publication process of *Indian Pediatrics*. Under his leadership, the journal now has a completely new look and format; several new sections have been started for postgraduates and the practicing pediatrician. The reviewer database has gone international. The website was revamped and electronic publication of the articles (e-pub ahead of print) was started for the first time - drastically reducing the waiting time for publication. The journal acquired its first Impact factor under his leadership in 2008 and within a year this showed a quantum leap by almost 30%, to reach 0.956 in 2009. With the efforts of Dr Gupta, *Indian Pediatrics* is now established as one of the topmost journals in India. Its website attracts more than a million hits per month. Under his leadership, *Indian Pediatrics* has initiated National workshops on the Art of Paper Writing for the upcoming faculty, on an annual basis.

Piyush Gupta is also a reviewer for many international journals. He is a member of the World Association of Medical Editors (WAME) and was awarded a scholarship by the Journal of American Medical Association (JAMA) to attend the “Short Course for Editors” (Tim Albert); and Fifth International Congress on Peer Review and Biomedical Publication; Sep 14-18, 2005, Chicago, Illinois, USA.

Membership of the Technical Expert Groups and Consultancy

| | <i>Name of Organization</i> | <i>Year</i> |
|---|--|-------------|
| Membership of the technical expert groups/Advisory group of International agencies | 1. Member, Expert Group/Committee on Diarrhea, and Severe Malnutrition; UNICEF | 2009-10 |
| | 2. Member, WHO expert Group on facility-based management of severe acute malnutrition, | 2010 |
| | 3. Member, Core Group, Injury Prevention and Control teaching module development, WHO | 2005 |
| Membership of National Scientific Advisory Board, Scientific Advisory Group | 1. Chairperson, Project review Committee on Children in Difficult Circumstances, ICMR | 2015-2018 |
| | 2. Member, Project Review Group, Child Health, ICMR | 2009-2018 |
| | 3. Chairperson, Project review Committee on Childhood Injuries | 2013-2018 |
| | 4. Member, Core Group, National Board of Examinations, Delhi | 2010 |
| | 5. Member, Thesis Guidelines Committee, National Board of Examination, Ministry of H and FW, New Delhi | 2016-2018 |
| Member of Academic Council of University | 6. Member, Academic Council, BP Koirala Institute of Health Sciences University, Dharan, Nepal | 2008-2010 |
| | 7. Member, Board of Studies, Dept of Pediatrics, Aligarh Muslim University | 2014-2015 |
| | 8. Member, Board of Studies, Dept of Pediatrics, Banaras Hindu University | 2016-2017 |
| | 9. Member, Board of Studies, AIIMS, Bhubaneswar, Odisha | 2017-2019 |
| | 10. Member, Standing Selection Committee AIIMS, Jodhpur; AIIMS Rishikesh; and Banaras Hindu University | 2017 |
| Consultancy /Visiting Professor of a reputed University | 11. Consultant, Public health Foundation of India, New Delhi | 2010 |
| | 12. Visiting Professor, BPKIHS, Dharan, Nepal | 2003 |
| Life member of Societies | World Association of Medical Editors, Indian Academy of Pediatrics; National Neonatology Forum; Indian Association of Preventive and Social Medicine; Breastfeeding Promotion Network of India; National Academy of Medical Sciences | |

