

Curriculum Vitae

Name in Full: Dr Dipti Agarwal
Designation: Associate professor & Head
Department of Pediatrics
Dr RML Institute of Medical Sciences

Professional Qualification:

MBBS from Calcutta Medical College in 2000
MD in Pediatrics from Sarojini Naidu Medical College, Agra in 2004.

Teaching/work experience:

- Associate Professor in Pediatrics, Dr RML Institute of Medical Sciences from Feb 2017 till date.
- Assistant professor in Pediatrics, S.N. Medical College Agra from Sept 2010 till Feb 2017.
- Senior Resident in Pediatrics, UPRIMS & R, Saifai from Feb 2010 to Sept 2010.
- Senior Medical officer ART centre, IMS, BHU from August 2007 to January 2010.
- Medical officer ART centre, IMS, BHU from May 2005 to August 2007.

Membership of professional association(s)

- Membership National Academy of Medical Sciences
- Life Membership of Indian Academy Of Pediatrics
- Life Membership of Indian Medical Association
- Life Membership of Adolescence Medicine
- Life Membership of Infant and Young Child feeding

Positions Held

- Head, Department of Pediatrics (from 2017 till date)
- Nodal Officer-2 at ART centre, S.N. Medical College, Agra (2012-2017)
- Member, Institutional Ethical Committee at S.N. Medical College, Agra (2015-17)
- Member, Medical Education Unit at S.N. Medical College, Agra (2015-2017).

Member of Technical Committee

- Member of State Referral PCPNDT Committee (from 2017 till Date)

Awards

- Membership of National Academy of Medical Sciences (2016)
- 2nd Best poster in the 34th UP chapter of IAP held at KGMC, Lucknow in November 2013

- 1st runner up in the R S Dayal Neonatal award, 27th UP chapter of IAP held at KGMC, Lucknow on 15th October, 2006
- Scholarship in MBBS at Calcutta Medical college for securing Position in 1998 and 2000
- Class Assistant in Physiology during MBBS at Calcutta Medical College in 1996

Participation in CME programmes/Workshops of continuing Professional Development / Workshops

Invited lectures/chaired sessions

- “Lung function Tests “ in the CME on Childhood Asthma held at Department of Pediatrics ,Dr RMLIMS on 7th May,2019.
- Chairperson “ management of cerebral palsy” 1st annual conference of PMR department organised at Dr RMLIMS on April 31st ,2018.
- “Tubercular lymphadenitis in children” at CME on Tuberculosis held at Dr RMLIMS on the occasion of world TB day on 24th march ,2018.
- Panel discussion on “fever of unknown origin” held at Nainital in UP chapter IAP conference on 26th-28th October,2017.
- “Treatment of malaria in children” in Malaricon conference held in the Dept. of Pediatrics, S.N. Medical College, Agra on 25th April, 2016.
- “National level Dissemination Workshop of Management of Gestational Diabetes Mellitus in Public Health Delivery System in India” at New Delhi on 18th July ,2015.
- Chairperson in the Annual chapter of Adolescent Health Academy Conference held at Agra on 16-18thSeptember, 2016.
- “Tuberculosis in children” in the scientific session of Review meeting of Tuberculosis of the Medical Units held at AD office, on 5th May at Agra, 2015.
- “Clinical Manifestations of Tuberculosis in children” in the scientific session of State Task Force for Tuberculosis at Ram Murti Medical College, Bareilly on 28th January, 2015.
- “Antiretroviral therapy in Children” in training course of Medical officers at Institute of Medical Sciences, BHU, Varanasi on 12th January 2014.
- “Clinical Manifestations of Pediatric Tuberculosis” in National Academy of medical Sciences CME, held at S N Medical College, Agra, on 28th November, 2013.
- “Pyrexia with thrombocytopenia in children” in a CME organised by Department of Medicine, S N Medical College, Agra held on 12th September, 2013.
- “Clinical Manifestations of HIV in Children” in training course of Medical officers at Institute of Medical Sciences, BHU, Varanasi on 8th September 2012 .
- “Facility based Newborn care” in a symposium at National conference of Indian Academy of Paediatrics held at Bhubaneswar in January 2008.

Paper/Poster presented

- "Asthma and role of Vitamin D in its severity and control" in the award category at the Respiratory chapter of IAP held at Indore on 19-20th Nov,2018.
- “Gene Xpert for diagnosis of TBM – a limited experience” in the Annual Conference of NAPCON held at Agra on 19th -21stOctober, 2014.

- “Role of Gene Xpert for diagnosis of TB in children” in the award category of 34th Annual UP chapter, IAP held at GSV Medical College, Kanpur on 16th October 2014.
- “P vivax causing complicated Malaria in children” in the award category , 34rd UP chapter of IAP held at KGMC, Lucknow in November 2013.
- “Antiretroviral prophylaxis in preventing perinatal transmission of HIV infection” in the R S Dayal Neonatal award category, 27th UP chapter of IAP held at KGMC on 15th October, 2006

Organisation of CME programmes/Workshops

- Co-ordinator of CME on “ Childhood Asthma” on World Asthma Day held at Department of Pediatrics on 7th May, 2019.
- Co-ordinated CME on “Lysosomal Storage Disorders” in the Department of Pediatrics on 25th November, 2018.
- Conducted “Nutrition week” in the Department of Pediatrics in collaboration with Dietetics Department from 10-17th October ,2018.
- Co-ordinated workshop on “Breast milk expression” for Nursing staff in the Department of Pediatrics on occasion of Breast feeding week on 7th August, 2018.
- Co-ordinator of workshop on “Sexuality in mentally handicap Adolescent children “ held at Tears School for Mentally Handicap Children , Agra on 16th September, 2016.
- Lead instructor in BNCRP training at Paediatrics Department, SN Medical College, Agra on 14th June 2015.
- Chairperson of the scientific committee for CME on “Pediatric Tuberculosis “of National Academy of Medical Sciences held at SN Medical College, Agra, on 28th November, 2013
- Lead instructor in BNCRP training at Paediatrics Department, SN Medical College, Agra on 24th July 2013 .
- Course co-ordinator for BNCRP training in the Department of Paediatrics, SN Medical College, Agra on 15th March 2013.
- Chairperson of the registration committee of 33rd UP chapter IAP, held at Agra on 4th-5th November, 2012.
- Co-ordinator of UNICEF funded workshop on “Addressing Undernutrition through focussing on facility based management of children with SAM and strengthening optimal IYCF practices” held at S N Medical College on 2nd November, 2012.
- Clinical facilitator for more than 15 courses on Integrated Management of Neonatal and Childhood illness (IMNCI) and Facility based Management of Neonatal and Childhood illness (FIMNCI) training programmes for Medical Officers held at Department of Community medicine, SN Medical College, Agra (2011-2015)
- Joint Secretary in the CME in collaboration with NACO on “HIV/AIDS prevention & treatment awareness” held at Institute of Medical Sciences, BHU, Varanasi on 22nd April 2007.

Attended CME/Conferences

- National conference of respiratory chapter of IAP held at Indore on 19-20th Nov,2018.
- Workshop on AIIMS Pediatric pulmonology and intensive care course module 7 held on may 5th -6th ,2018 at AIIMS, New Delhi.
- 1st Annual conference of PRISM society at AIIMS, New Delhi from 13th-15th January,2017.
- Annual National IAP, Respicon conference, held at New Delhi on 19th-20th November, 2016.
- Workshop on “Advance Paediatric Chest Radiology and imaging” advance workshop held at lady Harding Medical College on 21stNovember, 2016.
- Workshop on “AIIMS Pediatric Pulmonology and Intensive Care Course” held at AIIMS, New Delhi on 5th and 6th September, 2015.
- National conference of Indian Academy Paediatrics, Pedicon held at New Delhi on 22nd and 23rdJanuary, 2015.
- National Conference on “AIIMS Childhood Tuberculosis Conference” held at AIIMS, New Delhi on 15th-16th November 2014.
- 34th UP chapter of Indian Academy of Paediatrics, Annual Conference held at KGMU, Lucknow in November, 2013.
- Attended workshop on “Mechanical Ventilation” held at Sanjay Gandhi Post Graduate Institute, Lucknow, on 6th October, 2012.
- Attended 32nd UP chapter of Indian Academy of Paediatrics, Annual Conference held at Agra in November, 2012.
- Attended 32nd UP chapter of Indian Academy of Paediatrics, Annual Conference held at Jhansi in November, 2012.
- Attended the National conference of Indian Academy Paediatrics, Pedicon held at Bhubneshwar on 8th-11th January, 2008.
- Attended TDR workshop on Kal-a-zar control at Varanasi on 26thMarch to 3rd April, 2007.
- Attended Training of medical officers at ART centre on “HIV Care and Treatment”, held at Department of Medicine, Maulana Azad Medical College, New Delhi from 13th-25th November 2006.
- Attended CME “on updates of hemato oncological problems in children” held in the Department of Paediatrics, Institute of Medical Sciences , BHU, Varanasi on 16th September ,2005.
- Attended “Paediatric Advanced Life support” course organised by Department of Paediatrics, S N Medical College, Agra on 8th -9th August 2003.
- Attended CME of Infectious Diseases chapter of IAP held at Agra on 15th-16th November, 2003.
- Attended 23rd UP chapter of IAP Attended held at Agra on 18th-19th January, 2002.
- “Update on diagnosis, clinical, technical skills and management of Neonatal problems “at Centre for new born care, held at Department of Pediatrics, S L Jain hospital, in Delhi from 8 to 10 November 2002.

Trainings done

- Training of trainers of “National pediatric tuberculosis training ” on 5th feb, 2019 organised by IAP and RNTCP at Mumbai.
- Course on Ethical clearance of John Hopkins Bloomberg School of Public Health.
- Training of trainers on “Standard for TB Care in India” from 10th-11th March,2016 held at STDC, UP, Agra
- Revised Training for Medical Teachers held at MAMC ,Delhi on 15-15th May, 2016.
- Hands on training on spirometer and bronchoscopy in workshop on “Pulmonary Investigations for the Practicing Pediatricians” in the National conference of IAP held at Kalawati Saran Children Hospital, on 20th January, 2015.
- Trained as District Trainer in the “Basic Neonatal resuscitation Programme”, at Department of Paediatrics, S N Medical College, Agra on 15th March,2013
- District Training of Trainers course for IAP Mission Uday and was certified as Resource person organised by IAP at Agra on 10th October, 2013
- “Basic Training for Medical Teachers” held at Maulana Azad Medical College, Delhi on 8th-9th November, 2012.
- ART Specialist Training at Institute of Medical Sciences, Banaras Hindu University –Centre of excellence, Varanasi from June 21-24, 2011.
- Training of Trainers on second line ART for children held at MAMC, New Delhi on 26th-27th October,2009 .
- Training of trainers workshop on “integrated management of neonatal and childhood illness” held at KGMU, Lucknow from 5th to 9th December 2005.

Community Service

- Organised camp with free medical services and vaccination to children in the SSB army residential apartments, Lucknow (2018)
- Provided free medical services in a camp organised in Bharatpur (2013).
- Organised awareness programmes for NCC cadets at BHU (2009).
- Participated in awareness programmes for the people living with HIV/AIDS registered at IMS,BHU(2008).

Research

Projects

- Principal investigator in intramural project entitled “ Clinical correlation with lung function tests in children with asthma” (2019)
- Co-investigator in intramural project entitled “Radiological predictors of drug sensitive pulmonary Tuberculosis” with department of Radiodiagnosis (2019)
- Co-investigator in intramural project entitled “ Menstrual hygiene in adolescents” with department of Obstetrics and gynaecology (2019)

- Co-investigator in ICMR funded research project entitled “Prevalence of tuberculosis infection and disease among paediatric house hold contacts of Multi –Drug Resistant tuberculosis –A multicentric study at SN Medical College, Agra (2015-2017)
- Collaborated with Tuberculosis Research Centre, Chennai in project on “Pharmacokinetics of antitubercular therapy in children: impact of age and nutritional factors.” in (2013-2015).
- Collaborated with Tuberculosis Research Centre, Chennai in project on “Pharmacokinetics of 2nd line antitubercular therapy in children with MDR TB.” in (2015-2017)
- Investigator in multicentre BASIS study in collaboration with John Hopkins Bloomberg School of Public Health (2016).

Reviewer

- Pediatric Infectious Disease
- BMC Infectious disease
- Indian Paediatrics
- Indian Journal Of Paediatrics

Publications :

Articles

- Agrahari A, Dayal R, Gupta LK, Bhatia R, **Agarwal D** et al. Effect of vitamin D supplementation in severity and control of bronchial asthma in children. *Pediatric Review: International Journal of Pediatric Research*. 2019;6:50-58.
- Pathak S, **Agarwal D**, Singh P, Narayan S. Late onset neonatal sepsis: Overview of risk factors and bacterial etiology in tertiary care hospital in north India. 2018;23(2):69-72.
- Narayan S, Singh K P, Choudhary N, Bhatia R, **Agarwal D**, Verma V. Value of ultrasonography and resistive index of cerebral arteries in predicting neuromotor outcomes in newborns with hypoxic ischaemic encephalopathy. *Indian Journal of Neonatal Medicine and Research*. 2018;6(3):17-22.
- Dayal R, Narayani V, Chauhan DS, Kumar Neeraj, **Agarwal D** et al. Comparative studies of CBNAAT with molecular and conventional methods on ground of diagnosis and resistance detection in Pediatric Pulmonary Tuberculosis. *The Clinical Respiratory Journal*. 2018;4:34-38.
- Kumar AKH, Kumar A, Kannan T, Bhatia R, **Agarwal D**. Pharmacokinetics of second-line anti-tuberculosis drugs in children with multi drug resistant tuberculosis. *Antimicrob Antichemother*. doi:10.1128/AAC.02410-17.
- Dayal R, **Agarwal D**, C Bipin et al. Tuberculosis burden among household pediatric contacts of adult Tuberculosis patients. *Indian Journal of Pediatrics*. 2018; 85(10):867-871. doi 10.1007/s12098-018-2661-9.
- Dayal R, Singh Y, **Agarwal D**, Kumar M, Swaminathan S, Ramachandran G, Kumar S, Narayan S, Goyal A, Kumar AK H. Pharmacokinetic study of isoniazid and pyrazinamide in children :impact of age and nutritional status. *Arch Dis Child*. Epub ahead of print:27.2.2018. doi:10.1136/archdischild 2017-313910.

- Sundar S, **Agarwal D**. Visceral Leishmaniasis-optimum treatment options in children. *Pediatr Infect Dis J*.2017.doi 10.1097/INF
- Kumar R, Kumar P, Singh MK, **Agarwal D**, Jamir B, Khare S, Narayan S. Epidemiological Profile of Acute encephalitis. *Indian J Pediatr* 2017.doi: 10.1007/s12098-017-2481-3.
- Vandana V, Narayan S, Saharan PS, Singh TP, **Agarwal D**. Spectrum of Neurotuberculosis in HIV infected patients: clinical and Radiological features. *Journal of Indian Academy of Clinical Medicine* 2016; July-September 17(3): 193-197.
- R Dayal, **Dipti Agarwal**, Harish Bharadwaj, et al. PCR targeting IS6110 in diagnosis of Tuberculosis in children in comparison to MGIT culture. *Indian journal of Tuberculosis* 2016; Volume 63: 154-157.
- R Bhatia, R Dayal, S Jindal, **D Agarwal**, A Goyal. Gene Xpert for Diagnosis of Tubercular meningitis in children. *Indian Journal of Pediatrics* 2016; Volume 83: 1353-55.
- Verma V, Sharma N, Chauhan A, Agarwal D et al. MRI imaging in afebrile pediatric epilepsy: experience sharing.2016.doi:10.18203/2349-3291.ijcp20164626.international journal of contemporary paediatrics.
- S Khare, **D Agarwal**, S Pathak, R Kumar. Epidemolysis Bullosa Koebne- a case report. *Indian journal of Neonatal Medicine Research*.Doi: 10.7860/ijnmr/2016/17526.2104
- Geetha Ramchandran, AK Hemanth Kumar, T Kannan, PK Bhavani, N Poorana Gangadevi, S Ramesh Kumar, VV BanuRekha, V Sudha, S Venkatesh, N Ravichandran, S Kalpana, G Mathevan, GN Sanjeeva, **Dipti Agarwal**, Soumya Swaminathan. Low serum concentrations of rifampicin and pyrazinamide are associated with poor outcomes in children with TB treated with intermittent regimens in India. *Ped Infect Dis J* .2016 .35:530-34.
- S Pathak, Meenakshi, **Dipti Agarwal**, Madhu Nayak. Serum cortisol and thyroid hormones in critically ill infants. *International journal of health sciences and Research*. Vol 6:2016.
- **Dipti Agarwal**, Shamrenda Narayan, Manoj Kumar, Santosh Kumar. "Drug Resistant Tuberculosis in Children-risk factors and Theapeutic response. *Global Journal of Research Analysis*.Vol 4:11; 2015.pg 22-23.
- R Dayal, **Dipti Agarwal**. Fever in children and Fever of unknown Origin. *Indian journal of Pediatrics*. 2016;83(1):38-43.
- Harish Bharadwaj, **Dipti Agarwal**, L Pant, Madhu Singh. Congenital Uterovaginal Prolapse- a rare case report. *International journal of advances in health sciences*. vol 2, Issue 8, Pg 167- 170.2015
- Neetu Gautam, R Dayal, **Dipti Agarwal**, Rajesh Kumar, et al. Role of Multivitamin, Micronutrients and probiotics supplementation in management of HIV infected children. *Indian journal of pediatrics*. Vol 81, Issue 12, Pg 1315-1320. 2014.
- **Dipti Agarwal**, Abnish Kumar, N.C.Prajapati. Mortality in HIV exposed infants and its determinants. *Global Journal for Research Analysis*.Vol.3 Issue.5 May'2014

- Shamrendra Narayan, **Dipti Agarwal**, Vandana Verma, Nirmal Chandra Prajapati. Six Cases of Megalencephalic Leukoencephalopathy with Subcortical Cysts in a family. *Journal of Pediatric Sciences* 2014; 6: e217.
- Rajesh kumar, **Dipti Agarwal**, Pankaj Kumar. Severe Plasmodium vivax Malaria in Children: An emerging threat. *Journal of Paediatric Sciences*. 2014; 6:e210.
- Neeraj Kumar, R. Dayal, **Dipti Agrawal**, P. Kumar, R. Bhatia, A. Goyal, D. Verma. "Is Procalcitonin a better Diagnostic Marker than CRP in Neonatal Sepsis?" *Journal of Evolution of Medical and Dental Sciences* 2014; Vol. 3, Issue 12, March 24; Page: 3140-3147, DOI: 10.14260/jemds/2014/2257
- **Agarwal D**, Chakravarty J, Chaubey L, Agrawal N R, Sundar S. High incidence of Zidovudine induced anemia in HIV infected patient in eastern India. *Indian J Med Res* 2010: 132;386-389
- **Agarwal D**, Narayan S, Chakravarty J, Sundar S. Ultrasonography for diagnosis of abdominal Tuberculosis in HIV infected people. *Indian J Med Res* 2010: 132;77-80
- Sundar S, Chakravarty J, **Agarwal D**, Rai M, Murray H W. Single dose Liposomal Amphotericin B for Visceral Leishmaniasis in India. *N Engl J Med* 2010; 362:504-512.
- S. Sundar, A. Singh, **D. Agarwal**, M. Rai, N. Agrawal, and J. Chakravarty. Safety and Efficacy of High-Dose Infusions of a Preformed Amphotericin B Fat Emulsion for Treatment of Indian Visceral Leishmaniasis. *Am. J. Trop. Med. Hyg.* 2009, 80: 700–703.
- Tiwari MK, Verma S, **Agarwal D**, Heena. Quality of life of Patients with HIV infection. *Indian journal of Social Science Researches*. 2009,6:79-86.
- Sundar S, Chakravarty J, **Agarwal D**, Shah A, Agrawal N , Rai M. Safety of a pre-formulated amphotericin B lipid emulsion for the treatment of Indian Kala-azar. *Trop Med Int Health* 2008; 13: 1208–1212.
- Sundar S, Rai M, Chakravarty J, **Agarwal D**, Agrawal N, Vaillant M, Olliaro P, Murray HW. New Treatment Approach in Indian Visceral Leishmaniasis: Single-Dose Liposomal Amphotericin B Followed by Short-Course Oral Miltefosine. *Clin Infect Dis*. 2008; 47: 1000-1006.
- **Agarwal D**, Agrawal NR. False positive HIV-1 DNA PCR in infancy. *Indian Pediatrics*; 2008;45:245-246.
- **Agarwal D**, Chakravarty J, Sundar S, Gupta V, Bhatia BD. Correlation between clinical features and degree of immunosuppression in HIV infected children. *Indian Pediatr*. 2008; 45:140-3.
- **Agrawal D**, Agrawal NR. Birth Trauma. *Journal Academy of Medical Specialities*. 2009;3:28-30.
- Agarwal NR. **Agarwal D**. Genital tuberculosis. *Journal Academy of Medical Specialties*. 2009;2:28-30
- Agrawal N R, Singh N, **Agarwal D**. HIV in pregnancy. *Journal Academy of Medical Specialties*, 2007: 2; 30-31.
- Case report: Sundar S, Kumar K, Chakravarty J, **Agarwal D**, Agrawal S, Chhabra A, Singh V. Cure of antimony- unresponsive Indian post-kala-azar dermal leishmaniasis with oral miltefosine. *Transactions of the royal society of tropical medicine and hygiene* 2006; 100: 698-700.

Chapters

- ShyamSundar, **Dipti Agarwal**. A therapeutic strategy or treating Viseral Leishmaniasis in Regions with drug resistance. Chapter 5 in Kalazar in South Asia. Springer Publication. Editor in chief – TK Jha, E Noiri .pg 53-66.2016.
- R Dayal, **D Agarwal**. Approach to Neurotuberculosis in children. Chapter in IAP textbook of Pediatric Neurology. Editor in chief- AnoopVerma. Published by IAP National Publication House, Gwalior 2013.pg 57-65.
- Chakravarty J, **Agarwal D**, N Agarwal, M Rai, Sundar S. Visceral Leishmaniasis: Current concepts in management .chapter 111 in Medicine Update .Editor-in- chief R K Singhal. Jaypee Publishers. 2007.pg 652-56.
- Chakravarty J, **Agarwal D**, Chaubey L, Trivedi S, Rai M, Sundar S. Evaluation of HIV patients at primary care level. Section 3: HIV/AIDS. In Medicine for Practising Physicians. Sundar S (Editor-in-chief). (EdsRai M, Kumar K, Chakravarty J). Shankar Press, Varanasi. 2007
- Chakravarty J, **Agarwal D**, Chaubey L, Trivedi S, Rai M, Sundar S. Management of antiretroviral therapy. Chapter 7 in HIV/AIDS. In Medicine for Practising Physicians. Sundar S (Editor-in-chief). Shankar Press, Varanasi. 2007.pg 234-36.
- **Agarwal D**, Chaubey L, Trivedi S, Chakravarty J, Rai M, Sundar S. HIV In children. Chapter 3 in HIV/AIDS in Medicine for Practising Physicians. Sundar S (Editor-in-chief). Shankar Press, Varanasi. 2007.pg 309-17.
- Chaubey L, Chakravarty J, **Agarwal D**, Trivedi S, Rai M, Sundar S. Management of antiretroviral therapy. Section 3: HIV/AIDS. In Medicine for Practising Physicians. Sundar S (Editor-in-chief). (EdsRai M, Kumar K, Chakravarty J). Shankar Press, Varanasi. 2007
- Singh A, Chakravarty J, **Agarwal D**, Chaubey L, Rai M, Sundar S. Postexposure Prophylaxis. Section 3: HIV/AIDS. In Medicine for Practising Physicians. Sundar S (Editor-in-chief). (EdsRai M, Kumar K, Chakravarty J). Shankar Press, Varanasi. 2007
- Sundar S, **Agarwal D**. Antiretrovirals. Chapter 8 in fundamental of Global HIV Medicine. Editor-in-chief Zelalem Temesgen, IHL Press, 2009. pg 78-83.

Others

- Co-guided over 20 thesis of the postgraduate students of SN Medical College
- Examiner at Institute of Medical Sciences, Banaras Hindu University