

Curriculum Vitae

Dr Dharmagat Bhattarai

Pediatric Clinical Immunologist & Rheumatologist

MBBS, MD, DM (Doctorate of Medicine)

(Pediatric Clinical Immunology and Rheumatology) (PGIMER, Chandigarh, India)



Career Snapshot

An energetic, diligent and credible superspecialist medical professional with degree and significant exposure in Pediatrics, Clinical Immunology, Pediatric Rheumatology (Including Hematopoietic Stem Cell Transplantation, Pediatric Allergy and HIV Science, Pediatric infectious diseases, Pediatric Emergencies and Advanced life support) with dedicated patient care, sound academics, indexed research and literature publications, Audio-visual accomplishments and multitasking.

Skills

- ✚ Subspecialty expertise & applications
- ✚ Immunity, immunodeficiency
- ✚ Diagnosis, treatment & research
- ✚ Bone marrow transplant
- ✚ Rheumatological procedures
- ✚ Immune-dysregulation & Immunization
- ✚ Laboratory procedures & interpretation
- ✚ Research methodology & publications
- ✚ Patient care & Multitasking
- ✚ Articles, Media works & Computer skills

Linguistic Abilities

- **Proficient & Fluent:** English, Nepali, Hindi, Bengali
- **Learner:** Sanskrit, Punjabi, French

Specialty

- ✚ Pediatric Clinical Immunology, Allergy, HIV Science, and Immunization
- ✚ Pediatric Rheumatology and Inflammatory Diseases
- ✚ General Pediatrics and Infectious Diseases Science
- ✚ Hematopoietic stem-cell transplant

Educational Credentials

Degree	Division	Duration	University/College/ Institution
Doctorate of Medicine (D.M.) Pediatric Clinical Immunology & Rheumatology (≈ PhD)	First	Jul 2017- Jun 2020	Post Graduate Institute of Medical Education and Research, Chandigarh, India
M.D. Pediatrics	First	Jan 2012- Dec 2014	Post Graduate Institute of Medical Education and Research, Chandigarh, India

(Master's Degree)			
M.B.B.S. (Bachelor's Degree)	First	Aug 2001- Jan 2006	University of Calcutta, R.G. Kar Medical College and Hospital, Kolkata, India
Higher Secondary (10+2)	First	Jul 1997- Jun 1999	Higher Secondary Education Board (HSEB), National School of Sciences, Kathmandu
School (Secondary Level)	First	June 1987- June 1997	Office of the Controller of Examinations, National Examination Board (NEB), Prabhat Ma. Vi. Sukranagar, Chitwan, Nepal

Clinical experience & Career Contour

Institution	Designation	Duration	Services
The Children's Hospital of Philadelphia, University of Pennsylvania, USA	Clinical Fellow (ESID Mid-term)	01-05-2022 to present	Clinical Immunology (Pediatric) & Bone marrow transplantation
University Hospitals Bristol and Weston, NHS Foundation Trust, Bristol, United Kingdom	Clinical Fellow (Honorary), Pediatric Rheumatology, Immunology & BMT	01-02-2022 to 13-04-2022	Pediatric Rheumatology, Clinical Immunology (Pediatric) & Bone marrow transplantation
Hospital for Advanced Medicine and Surgery, Kathmandu, Nepal	Pediatric Immunologist & Rheumatologist	14-03-2021 to 31-01-2022	Clinical Immunology, Rheumatology (Pediatric), Allergy, HIV, General Pediatrics
Post Graduate Institute of Medical Education and Research, Chandigarh, India	DM Senior Resident (Pediatric Immunology & Rheumatology)	01-07-2017 to 31-07-2020	Clinical & Molecular Immunology, Rheumatology (Pediatric), HIV, Allergy, General Pediatric OPD, Day care, Ward and Emergencies
SVBP Government Hospital, Patel Nagar, Delhi, India	Senior Resident (Pediatrics)	22-07-2016 to 23-04-2017	Comprehensive Pediatric Care (Emergency, NICU, ward, & OPD) (with rural postings)
Grande and Alka Hospital, Kathmandu	Consultant (Pediatrics)	02-02-2015 to 18-04-2016	Comprehensive Pediatric Care (Emergency, PICU, new-born care, ward, & Subspecialty OPD)
Post Graduate Institute of Medical Education and Research, Chandigarh, India	Junior Resident (Pediatrics)	01-01-2012 to 31-12-2014	Emergency, PICU, NICU, Labour room, Hemato-oncology, Allergy/immunology, Pulmonology, Endocrinology, Neurology, OPD & Child Psychology
Kanti Children's Hospital, Kathmandu, Nepal	Medical Officer	16-03-2010 to 31-10-2011	Comprehensive Pediatric Care (Emergency, ICU, New-born care, ward, & Subspecialty OPD) (with a rural posting)
Manmohan memorial hospital, Kathmandu, Nepal	Medical Officer	04-07-2008 to 11-08-2009	Comprehensive Medical Care (Emergency, OPD, Medical ward)
Patan academy of Health Sciences, Lalitpur, Nepal	Medical Officer	06-05-2007 to 01-07-2008	Comprehensive Medical Care (General Emergency, ICU, OPD, ward)

Research Paper and Articles (Indexed International Medical Journals)

1. Bhattarai D, Kumrah R, Kaur A, et al. Association of ITPKC gene polymorphisms rs28493229 and rs2290692 in North Indian children with Kawasaki disease. *Pediatr Res*. Published online December 24, 2021;1-9. doi:10.1038/s41390-021-01830-x
2. Sharma A, Bhattarai D, Gupta A, et al. Autoantibody Profile of Children with Juvenile Dermatomyositis. *Indian J Pediatr*. 2021;88(12):1170-1173. doi:10.1007/s12098-021-03680-1
3. Krishnaswamy S, Bhattarai D, Bharti B, Bhatia P, Das R, Bansal D. Iron Deficiency and Iron Deficiency Anemia in 3-5 months-old, Breastfed Healthy Infants. *Indian J Pediatr*. 2017;84(7):505-508. doi:10.1007/s12098-017-2330-4
4. Patra PK, Bhattarai D, Prasad A, Jain H, Ranjan S, Ranjan A. Prevalence and risk factors of asthma among school going children in urban area of North India. *J Family Med Prim Care*. 2021;10(1):421-426. doi:10.4103/jfmpc.jfmpc_1517_20
5. Guleria S, Pilia RK, Jindal AK, Bhattarai D, Suri D, Singh S. Recurrent Kawasaki disease at a tertiary care center in Chandigarh, North West India: 24 years of clinical experience. *Int J Rheum Dis*. 2019;22(7):1183-1187. doi:10.1111/1756-185X.13519
6. Bhattarai D, Sharma A, Sengupta P. Utility and perceptions about web-based academics among physicians during COVID-19 pandemic. *J Family Med Prim Care*. 2021;10(2):699-705. doi:10.4103/jfmpc.jfmpc_2041_20
7. Bhattarai D, Banday AZ, Sadanand R, et al. Hair microscopy: an easy adjunct to diagnosis of systemic diseases in children. *Appl Microsc*. 2021;51(1):18. doi:10.1186/s42649-021-00067-6
8. Pilia RK, Bhattarai D, Singh S. Controversies in diagnosis and management of Kawasaki disease. *World J Clin Pediatr*. 2018;7(1):27-35. doi:10.5409/wjcp.v7.i1.27
9. Pilia RK, Jindal AK, Bhattarai D, Naganur SH, Singh S. Cardiovascular Involvement in Kawasaki Disease Is Much More Than Mere Coronary Arteritis. *Front Pediatr*. 2020;8:526969. doi:10.3389/fped.2020.526969
10. Anjani G, Vignesh P, Joshi V, et al. Recent advances in chronic granulomatous disease. *Genes Dis*. 2020;7(1):84-92. doi:10.1016/j.gendis.2019.07.010
11. Bhattarai D, Gupta A, Vignesh P, Rao H, Angrup A, Rawat A. Infection Due to *Serratia* sp. in Chronic Granulomatous Disease-Is the Incidence Low in Tropical Countries? *J Clin Immunol*. 2021;41(2):486-490. doi:10.1007/s10875-020-00919-y
12. Pilia RK, Bhattarai D, Singh S. Recent advances in pediatric rheumatology: July to September 2017. *Int J Rheum Dis*. 2018;21(5):1135-1137. doi:10.1111/1756-185X.13275
13. Pilia RK, Bhattarai D, Singh S. Recent advances in pediatric rheumatology: October - December 2017. *Int J Rheum Dis*. 2018;21(5):1138-1141. doi:10.1111/1756-185X.13280

14. Bhattarai D, Vignesh P, Chaudhary H, et al. Epidermal necrolysis as the presenting manifestation of pediatric lupus. *Pediatr Dermatol*. 2020;37(6):1119-1124. doi:10.1111/pde.14324
15. Bhattarai D, Vignesh P, Kaur A, et al. Epstein-Barr virus-associated lymphocytic cholangitis in a child with X-linked lymphoproliferative syndrome. *Scand J Immunol*. 2021;93(2):e12975. doi:10.1111/sji.12975
16. Patra PK, Bhattarai D, Banday AZ, et al. Recurrent lupus enteritis in a child-chase the calm before the storm. *Lupus*. 2021;30(12):2003-2007. doi:10.1177/09612033211045923
17. Guleria S, Jindal A, Pilania R, et al. An uncommon overlap of two common rheumatological disorders. *Lupus*. 2020;29(9):1121-1125. doi:10.1177/0961203320930101
18. Guleria S, Kumar Jindal A, Bhattarai D, et al. Retinal vasculopathy in children with systemic lupus erythematosus: report of two cases. *Lupus*. 2020;29(12):1633-1637. doi:10.1177/0961203320945384
19. Gupta A, Bhattarai D, Thapa BK, et al. Primitive Neuroectodermal Tumor in a Child with Human Immunodeficiency Virus Infection: A Rare Association. *J Trop Pediatr*. 2020;66(1):106-109. doi:10.1093/tropej/fmz034
20. Banday AZ, Bhattarai D, Bhagat N, Sreedharanunni S, Khurana S, Suri D. Pediatric hypereosinophilia and toxoplasma: Peregrination beyond facileness. *J Family Med Prim Care*. 2021;10(9):3511. doi:10.4103/jfmpc.jfmpc_257_21
21. Bhattarai D, Banday AZ, Nori H, Gupta A. Mycophenolate mofetil in the treatment of childhood systemic polyarteritis nodosa. *BMJ Case Rep*. 2022;15(2):e248477. doi:10.1136/bcr-2021-248477
22. Saini AG, Radotra BD, Bhattarai D, Rawat A, Bhatia V. X-Linked Agammaglobulinemia With Chronic Meningoencephalitis: A Diagnostic Challenge. *Indian Pediatr*. 2021;58(2):169-173. doi.org/10.1007/s13312-021-2134-5
23. Bhattarai D, Chaudhary H, Deglurkar R, Vignesh P. A Child with Hemorrhagic Bullous Lesions. *J Pediatr*. 2019;211:222. doi:10.1016/j.jpeds.2019.04.035
24. Bhattarai D, Vignesh P, Suri D, Gupta A. Pathergy phenomenon: an important clinical pointer to Behçet disease. *BMJ Case Rep*. 2019;12(6). doi:10.1136/bcr-2019-230662
25. Bhattarai D, Jindal AK, Patra PK. Hypopigmentation in the Medial Angle of Eyes in a Young Boy With Juvenile Dermatomyositis. *J Clin Rheumatol*. Published online January 21, 2020. doi:10.1097/RHU.0000000000001294
26. Bhattarai D, Modak A, Suri D. Candidal perforation of the hard palate in an HIV-infected child. *BMJ Case Rep*. 2019;12(12). doi:10.1136/bcr-2019-233034
27. Guleria S, Bhattarai D, Pilania RK, Jindal AK. Koplik Spots: A Physical Finding That Should Never Be Missed in Children With Suspected Kawasaki Disease. *J Clin Rheumatol*. 2020;26(3):e56. doi:10.1097/RHU.0000000000000855

28. Bhattarai D, Vignesh P, Guleria S, Sinha A, Singhal M. Unilateral Limb Atrophy: Is it a Forme Fruste Localized Scleroderma? *Indian Dermatol Online J.* 2020;11(3):451-452.
doi:10.4103/idoj.IDOJ_349_19
29. Bhattarai D, Guleria S, Suri D. Acute haemorrhagic oedema of infancy: Alarming but clinically benign vasculitis. *J Paediatr Child Health.* 2019;55(9):1150-1151. doi:10.1111/jpc.14545
30. Bhattarai D, Kumar J, Jindal AK, Rawat A, Kumar P. A neonate with absent lymphocytes: Is this severe combined immunodeficiency? *Pediatric Hematology Oncology Journal.* 2021;6(1):57-59.
doi:10.1016/j.phoj.2020.10.005
31. Sudhakar M, Arora M, Dawman L, et al. Haemolytic Uremic Syndrome Associated with *Citrobacter freundii* in a Young Boy with X-Linked Agammaglobulinemia. *J Clin Immunol.* 2021;41(1):227-229. doi:10.1007/s10875-020-00882-8
32. Gupta R, Bhattarai D, Vignesh P, Suri D. Thrombocytopenia in Systemic Juvenile Idiopathic Arthritis: Not Always Macrophage Activation Syndrome!: Letters to the Editor. *J Paediatr Child Health.* 2018;54(9):1052-1052. doi:10.1111/jpc.14125
33. Sudhakar M, Mohandoss V, Chaudhary H, Ahluwalia J, Bhattarai D, Jindal AK. Multifocal thrombosis with peripheral gangrene in a young boy: Mycoplasma infection triggered cold agglutinin disease. *Immunobiology.* 2021;226(3):152075. doi:10.1016/j.imbio.2021.152075
34. Anjani G, Sudhakar M, Bhattarai D, Kumrah R, Vignesh P, Rawat A. Features of nephrotic syndrome in infants with severe combined immunodeficiency. *J Allergy Clin Immunol Pract.* 2022;10(1):356-357. doi:10.1016/j.jaip.2021.09.052
35. Bhattarai D, Guleria S, Nameirakpam J, Naganur S, Menon P. Neonatal Lupus: All fetal bradycardia may not be fetal distress. *Int J Scientif Res.* 2019;9(4). doi:10.36106/ijsr
36. Singh A, Guleria S, Paliana RK, et al. Laparoscopic splenic biopsy – an underrated diagnostic modality for evaluating pyrexia of unknown origin in children. *Int J Scientif Res.* 2019;8(12).
doi:DOI : 10.36106/ijsr
37. Bhattarai D, Singh S. Oligoarthritis. In: *PARTHA'S INVESTIGATIONS & INTERPRETATIONS IN PEDIATRIC AND ADOLESCENT PRACTICE.* 1st ed. JAYPEE BROTHERS MEDICAL P; 2019.
38. Bhattarai D, Sharma D, Jindal AK. Uveitis in children. In: *Partha's Handbook for Pediatric and Adolescent Practitioners.* Vol 1. 1st ed. 1. Jaypee Brothers Medical Publishers; 2019.
39. Bhattarai D, Sharma A, Vignesh P. Juvenile Dermatomyositis. In: *Partha's Handbook for Pediatric and Adolescent Practitioners.* Vol 1. 1st ed. 1. Jaypee Brothers Medical Publishers; 2019.
40. Bharti B, Bharti, S, Bhattarai D. Breastfeeding and the Gut Microbiome. In: *Essentials of Maternal, Fetal, Infant and Adolescent Nutrition.* Vol 1. 1st ed. 1. IAP-IYCF- Treelife Media Publishing For Practice; 2020.
41. Bhattarai D. Eliminate the immunity against joy. *USERN J.* 2019;12(12):12-24.

42. Bhattarai D. Joy on the Journey of Taking Consent. In: *Indian Academy of Pediatrics Yearbook*. Vol 1. 1st ed. Indian Academy of Pediatrics; 2018:7-9.
43. 2019 CIS Annual Meeting: Immune Deficiency & Dysregulation North American Conference. *J Clin Immunol*. 2019;39(Suppl 1):1-151. doi:10.1007/s10875-019-00597-5

Awards and Achievement

1. European Society of Immunodeficiencies Mid-term fellowship award and grant on Immunology (The Children's Hospital of Philadelphia, May-July, 2022)
2. National DM Dissertation Grant Award from Indian Council of Medical Research (ICMR) (April 2018).
3. **Country representative** of Nepal in Asia Pacific society for Immunodeficiencies (APSID) for 2020-2024.
4. Junior member Country representative of Nepal in European society for Immunodeficiencies (ESID) for 2020-2022.
5. International Travel Award from IPOPI to present the scientific paper on the International Primary Immunodeficiency conference (IPIC) 5th edition, Portugal (April 2022).
6. International Award (travel award, registration grant and representative felicitation) from International Patient Organization for Primary Immunodeficiencies (IPOPI) to present the scientific paper on the International Primary Immunodeficiencies Congress-5th Edition (IPIC5th) (April 2022).
7. Received Junior Ambassadorship (Award of Credence) for Nepal from Universal Scientific Education and Research Network (USERN) for 2020-2022.
8. International Travel Award from Indian Council of Medical Research (ICMR) to present the scientific paper on the European Society of Immunodeficiencies (ESID) 18th Biennial meeting (October 2018).
9. International Travel Award from the Council of Scientific and Industrial Research (CSIR) to present the scientific paper on 2019 clinical Immunology Society (CIS) meeting: North American Conference (April 2019).
10. Observership award from University of Bristol, Bristol, United Kingdom (Feb 2022 to March 2022).
11. Young investigator of the Year (Including EULAR Biannual Annals of Rheumatology grant) from EULAR (June 2020). EULAR 2020 Young Scientist award along with international travel award and free subscription of Annals of Rheumatology for a year 2020-2021.
12. International Travel Award from Indian National Science Academy (INSA) to present the scientific paper on 2019 clinical Immunology Society (CIS) meeting: North American Conference and International symposium on Thymic defects (April 2019).

13. Best presentation on the 15th National conference of pediatric rheumatology society held at Kolkata (Sept 2017).
14. Best (second) Oral presentation award on World conference on infectious diseases and antibiotics at Bengaluru, India (November 2019).
15. Sponsorship Award from International Patient Organization for Primary Immunodeficiencies (IPOPI) Asian regional meeting to be held in Thailand (October 2018).
16. Best Student contribution certificate in Golden Jubilee Celebration of Advanced Pediatric centre, PGIMER, Chandigarh
17. Certificate of appreciation at 3rd Kawasaki Disease summit and 12th national conference of Pediatric Rheumatology at PGIMER, Chandigarh.

Associations and Membership

1. Member and Country representative of Asia Pacific Society for Immunodeficiencies (**APSID**)
2. Member and Junior country representative of European Society for Immunodeficiency Diseases (**ESID**)
3. Member of Clinical Immunology Society (**CIS**)
4. Member of Indian Rheumatology Association (**IRA**)
5. Member of Indian Academy of Pediatrics (**IAP**)
6. Immunology Foundation (**IF**), India

Presentations in International Conferences and Scientific Meetings

1. Dharmagat Bhattarai, Aaqib Zaffar Bandy, Pratap Kumar Patra, Saket Jha, Asmita Neupane. Profile of Inborn Errors of Immunity, an Everest ahead yet to be scaled. Poster: International Primary Immunodeficiency Conference IPIIC-5th Portugal, April 27-29, 2022.
2. Dharmagat Bhattarai, Pandiarajan Vignesh, Madhubala Sharma, Jitendra Shandilya, Amit Rawat, Kohsuke Imai, et al. Mutation profile of patients with Chronic Granulomatous Disease (CGD) at a tertiary care center in north India. Poster: Clinical Immunology Society (CIS) 2019 Annual Meeting: Immune Deficiency & Dysregulation North American Conference” held at the Marriott Marquis in Atlanta, Georgia, USA from April 4-7, 2019
3. Dharmagat Bhattarai, Pandiarajan Vignesh, Harsimran Kaur, Shivaprakash M. Rudramurthy, Arunaloke Chakrabarti, Surjit Singh. Profile of fungal infections in children with the chronic granulomatous disease (CGD) at Chandigarh, North India. E-poster: 18th biennial meeting of the European Society for Immunodeficiencies (ESID 2018), held in Lisbon, Portugal from 24th-27th October 2018

4. Dharmagat Bhattarai, Pandiarajan Vignesh, Deepti Suri, Anju Gupta, Amit Rawat, Yumi Ogula, et al. Persistent parvoviral infection with B-cell and T-cell abnormality: Is it a case of common variable immunodeficiency? Poster-board: 18th biennial meeting of the European Society for Immunodeficiencies (ESID 2018), held in Lisbon, Portugal from 24th-27th October 2018
5. Dharmagat Bhattarai, Sandesh Guleria, Anju Gupta, Deepti Suri, Amit Rawat, Surjit Singh. Mycobacterial infection in a child with monocytopenia and lymphopenia- could there be an underlying MonoMAC syndrome? Poster: APSID Summer School 2018 and 2nd Scientific Congress of Asia-Pacific Society for Immunodeficiencies at Chongqing, China from May 5-8, 2018.
6. Dharmagat Bhattarai, Sandesh Guleria, Anju Gupta, Amit Rawat, Harsimran Kaur, Surjit Singh. Chronic Granulomatous Disease with *Aspergillus nidulans* brain abscess. Oral Presentation: World congress on infectious diseases and antibiotics-2018 held at Indian Institute of Science, Bengalore, India on 28th and 29th November 2018.
7. Dharmagat Bhattarai, Pandiarajan Vignesh, Harsimran Kaur, Shivaprakash M. Rudramurthy, Vikas Gautam, Arunaloke Chakrabarti, Surjit Singh. Profile of infections in children with the chronic granulomatous disease (CGD) at Chandigarh, North India. Oral Presentation: World congress on infectious diseases and antibiotics-2018 held at Indian Institute of Science, Bengalore, India on 28th and 29th November 2018.
8. Dharmagat Bhattarai, Kathiravan M, Divya Sharma, Amit Rawat, Anju Gupta, Surjit Singh. Hyperpigmentation in Chediak Higashi Syndrome. Poster: Asian Advanced course in Basic and Clinical immunology, held at Jaipur, India from 26 to 29 March 2019.
9. Dharmagat Bhattarai, Pandiarajan Vignesh, Deepti Suri, Anju Gupta, Surjit Singh. Pathergy phenomenon: an important clinical pointer to Behcet disease. Poster: 1st International Vasculitis symposium held at Postgraduate Institute of Medical Education and Research, Chandigarh from 31st March to 1st April 2018.
10. Dharmagat Bhattarai. Mendelian susceptibility of mycobacterial disease: the defect in IL-12 interferon gamma pathway. Oral presentation: Advanced CME in immunology held at Postgraduate Institute of Medical Education and Research, Chandigarh from 11 to 12th September 2017.

Countries Visited

United States of America, United Kingdom, China, Germany, Singapore, Spain, Portugal, France, Belgium

Accomplishment in field of Immunology

1. Creating awareness about primary immunodeficiencies among pediatricians, health

workers and general public in Nepal and India (direct talks, videos, local language newspaper articles, classroom lectures)

2. Establishment of advanced centre of immunology in Nepal and providing free health service for the poor patients.
3. Free health camps for general pediatric health care and early diagnosis of immunological diseases.

References

1. Prof. Surjit Singh, Professor of Pediatrics, Advanced Pediatrics Center
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