

DR. PRASUN BHATTACHARYA

Consultant - Transfusion Medicine

Qualification

MD (Transfusion Medicine) | MBBS | Diploma in Gynaecology & Obstetrics

Overview

Dr. Prasun Bhattacharya, a Consultant in the Department of Transfusion Medicine at Manipal Hospitals E.M. Bypass, Kolkata, brings extensive expertise and experience in the field of transfusion medicine. He completed his MD in Transfusion Medicine in 2004, a Diploma in Gynaecology and Obstetrics in 1997, and an MBBS in 1993. Over the years, Dr. Bhattacharya has made significant contributions to healthcare, serving in the Department of Health and Family Welfare, Government of West Bengal, as Professor and Head of Immunohematology and Blood Transfusion at Medical College and Hospital, Kolkata, in 2019. He also held the position of Associate Professor from 2010 to 2014. Dr. Bhattacharya's professional achievements include attending 17 national and 3 international oral conferences and participating in specialized training programs, such as the Revised Basic Course Workshop in Medical Education organized by the National Medical Commission, a program on Good Clinical Practices (GCP) by the West Bengal University of Health Sciences, and NABH accreditation training for blood centers and transfusion services by the Quality Council of India. He is actively involved in several professional committees, including the SEC Committee (CDSCO, Haematology, and Oncology), the Hemovigilance Program of India (NIB, NOIDA), the Technical Resource Group (National Blood Transfusion Council), and the High Power Committee for institutional project reviews under the Ministry of Health and Family Welfare, Government of India. His research work is published in renowned journals, highlighting topics such as cytomegalovirus infections in blood donors, scrub typhus in voluntary blood donors, and groundbreaking studies on convalescent plasma therapy in COVID-19 patients. Some of his notable publications include studies in the Journal of Clinical Neonatology (2023), Indian Journal of Comparative Microbiology, Immunology and Infectious Diseases (2022), and Mayo Clinic Proceedings (2022). Dr. Bhattacharya's expertise also extends to systemic hyperinflammation, antenatal alloimmunization, and strategies for COVID-19 convalescent plasma donor recruitment.

Fellowship & Membership

- Life Member - Indian Society of Blood Transfusion and Immunohaematology (ISBTI)
- Life Member - Indian Society of Transfusion Medicine

Field of Expertise

- Transfusion Medicine Clinic
- Immunohaematology
- Hemovigilance
- Apheresis

Languages Spoken

- English
- Hindi
- Bengali

Awards & Achievements

- Attended 17 national and 3 international Oral conferences
- Trainings/workshops attended on the programme: Revised Basic Course Workshop in medical education, organised by the National Medical Commission
- Programme on GCP organised by West Bengal University of Health Sciences
- Programme on National Board of Accreditation of Hospitals and Health Care Providers (NABH) for blood centres and transfusion services organised by NABH, Quality Council of India

Talks & Publications

- Prevalence of Cytomegalovirus Infections in Blood Donors and the Newborn versus Utility of Leukocyte-reduced Blood Transfusion in the Premature Newborn: An Observation from Eastern India, Das Arijit; Munian, Dinesh; Maity Chikam; Pandey Sumita; Paul Sandip; Bhattacharya Prasun, J. Clin. Neonatol. 2023;12(2): 65-71. , 2023
- Scrub typhus Normal non-remunerated voluntary blood donors, a cross-sectional study from Eastern India, Ghosal Anit; Talukdar Biplabendu; Bhattacharya Prasun; Banerji Bhaswati, Indian J Comp. Microbiol. Immunol. Infect. Dis. Vol43; No.2(Jul-Dec), 2022:133-37, 2022
- Clinical Trial Subgroup Analyses to Investigate Clinical and Immunological Outcomes of Convalescent Plasma Therapy in Severe COVID-19, Raychaudhuri D, Bandopadhyay P, D'Rozario R, et al, Mayo Clin Proc Innov Qual Outcomes. 2022;6(6):511-524. doi:10.1016/j.mayocpiqo.2022.09.001, 2022
- A phase 2 single-centre open-label randomised control trial for convalescent plasma therapy in patients with severe COVID-19, Ray Y, Paul SR, Bandopadhyay P, et al, Nat Commun. 2022;13(1):383., 2022
- Development and Validation of a Treatment Benefit Index to Identify Hospitalised Patients With COVID-19 Who May Benefit From Convalescent Plasma, Park H, Tarpey T, Liu M, et al, JAMA Netw Open, 2022
- Plasma Gradient of Soluble Urokinase-Type Plasminogen Activator Receptor Is Linked to Pathogenic Plasma Proteome and Immune Transcriptome and Stratifies Outcomes in Severe COVID-19, Sarif J, Raychaudhuri D, D'Rozario R, et al, Front Immunol. 2021;12:738093. Published 2021 Oct 28. doi:10.3389/fimmu.2021.738093, 2021
- A prospective study on COVID-19 convalescent plasma donor (CCP) recruitment strategies in a resource-constrained blood centre, Biswas D, Maiti C, Talukder B, et al., ISBT Sci Ser. 2021;16(4):276-283., 2021
- Nature and Dimensions of Systemic Hyperinflammation and its Attenuation by Convalescent Plasma in Severe COVID-19, Bandopadhyay P, D'Rozario R, Lahiri A, J Infect Dis. 2021;224(4):565-574., 2021
- Distribution of antenatal alloimmunization in the southern districts of West Bengal and its significant associated factor, Naik A, Bhattacharya P, Das P, Mukherjee K, Mukhopadhyay P, Asian J Transfus Sci. 2020;14(2):119-125, 2020