

Prof. (Dr.) Tuphan Kanti Dolai

Publications (Published in international and national journals)

1. Jain AK, Sharma P, Saleh S, Dolai TK, Saha SC, Bagga R, Khadwal AR, Trehan A, Nielsen I, Kaviraj A, Das R. Multi-criteria decision making to validate performance of RBC-based formulae to screen β -thalassemia trait in heterogeneous haemoglobinopathies. *BMC Medical Informatics and Decision Making*. 2024 Jan 2;24(1):5.
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4. Jain AK, Sharma P, Saleh S, Dolai TK, Saha SC, Bagga R, Khadwal AR, Trehan A, Nielsen I, Kaviraj A, Das R. Multi-criteria decision making to validate performance of RBC-based formulae to screen β -thalassemia trait in heterogeneous haemoglobinopathies. *BMC Medical Informatics and Decision Making*. 2024 Jan 2;24(1):5.
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11. Dolai TK, Jain M, Mahapatra M. Idiopathic Aplastic anemia: Indian Perspective. *Indian Journal of Hematology and Blood Transfusion*. 2023 Jul;39(3):357-70.
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14. Dolai, Tuphan Kanti. "Hematology education and training in India in 2022–Scope and the hope." *Journal of Hematology and Allied Sciences*. (2022).
15. De R, Jena RK, Vidhatri R, Dolai TK, Baul SN. Differential Erythrocyte Phosphatidylserine Exposure Is Associated with Variations in Clinical and Haemostatic Parameters: A Study Involving E- β and β Thalassemia Compared to Normal Population. *Blood*. 2022 Nov 15;140(Supplement 1):5367-8.
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8. Haematocon 2022 Souvenir organized by ISHBT
9. BeSHCON 2022 Souvenir organized by Bengal Society of Hematology
10. BeSHCON 2023 Souvenir organized by Bengal Society of Hematology

Chapter written in different books

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11. Chapter of "Iron overload in MDS-what is new?" the CME book of '**Disorders of iron homeostasis**' edited by Prof MK Ghosh, Dr M Bhattacharyya, and Dr T K Dolai, published on March 2010.
12. Chapter of "HFE hemochromatosis-management" the CME book of '**Disorders of iron homeostasis**' edited by Prof MK Ghosh, Dr M Bhattacharyya, and Dr T K Dolai, published on March 2010.
13. Chapter of "CNS leukemia" the Conference book of "**ISHTM2010**" published on November'2010.
14. Chapter of **Aplastic Anemia: issues in management** in Recent Advances in Hematology – 3. Edited by R Saxena, HP Pati, Mahapatra M. Published by Jaypee Brothers 2010.
15. Chapter of "**Adverse effects of drugs used for managing CML**" the book of '**CML year book 2011**' edited by prof MB Agarwal, published on September' 2011.
16. Chapter of '**What is new in Iron chelation in thalassaemia?**'. Edited by prof MB Agarwal in "**Hematology Today 2012 book**" published on January'2012.
17. Chapter of "**Stem cell therapy**" the CME book of APICON west Bengal State chapter 2013
18. Chapter of "**CNS bleed in HHT**" the Conference book of "**ISHBT2013**" published on November'2013.
19. Chapter of '**APLA Syndrome-What is new in 2015?**'. Edited by prof MB Agarwal in "**Hematology Today 2015 book**" published on January'2015.
20. Megaloblastic anemia. Tuphan Kanti Dolai, Ankit Jitani, **API annual book 2019**, chapter 186, page 927-931
21. Nutritional Anaemia (Section-13 and Chapter-5). Tuphan K Dolai, Prakash S Shekhawat, **API Textbook of Medicine**, 12th Edition; 2022.
22. Clinical Presentation of Sickle cell Disease (Chapter 4). ICH-ICMR, National Guidelines on Management and control of Sickle cell disease. Published by ISHBT in the year 2022.
23. Management of Acute Myeloid Leukemia (Chapter-10). Tuphan Kanti Dolai, Kaustav Ghosh. **ICH-ICP Monogram on Recent advances in Haematological Malignancy**. Published in the year 2024, APICON 2024, New Delhi.
24. Management of Acute Myeloid Leukemia (Chapter-10). Tuphan Kanti Dolai, Kaustav Ghosh. **ICH-ICP Monogram on Recent advances in Haematological Malignancy**. Published in the year 2024, APICON 2024, New Delhi.
25. High Grade Non-Hodgkin Lymphoma: Diagnosis and Treatment (Chapter-14). Tuphan Kanti Dolai, Prakash Singh Shekhawat, Malini. **ICH-ICP Monogram on Recent advances in Haematological Malignancy**. Published in the year 2024, APICON 2024, New Delhi.
26. Management of Anaemia in the Elderly (Chapter-12). Tuphan Kanti Dolai, Prakash Singh Shekhawat. **Indian College Haematology Nutritional Anaemias in India**. Published by ISHBT in the year 2024.

Social Activities-

- 1) On 16th October 2012-Awaeness among the school student regarding role of thalassaemia prevention
- 2) On 20th January 20214- Purulia School-Tribal School Children health checkup and School Accessories donation
- 3) On 04th July 2015-Awaeness to the Lions club members, Jhargram regarding blood disorders and role of NGO'S.
- 4) On 3rd March 2016- Khosla Indumati High School at Salboni of Paschim Medinipur, West Bengal- Health Hygiene awareness and Health checkup of students and donation of Almirahs
- 5) On 23rd June 2016-Darda Khelu Hembram High School at Balarampur of Puruliya District, West Bengal- Health check of Student and Donation of educational accessories
- 6) On 4th October 2016- Gama Chakai Adibasi Kalyan High School, at Narayangarh Paschim Medinipur, West Bengal- Health check of Student and Donation of Fan and other educational accessories

- 7) On 2017- Kesheyari- Girls School-Health awareness, Health Checkup and Donation of Water filters
- 8) On 07th February 2019-Midnapore Town- Children with Thalassaemia and blood cancer- Health checkup, donation of School accessories
- 9) On 07th April 2023- Jadavpur TG Primary School, Ramsai, Moynaguri, West Bengal- Health checkup of tea estate Workers and distribution of medicine
- 10) On 25th November 2023- Jangipara, Hoogly, West Bengal-Health checkup of Pregnant Women and Donation of Nutritious food.
- 11) On 20th April 2023- Khulna, Sandeshkhali, West Bengal- Health checkup of Village old age people and Donation of Nutritious food, mosquito net.
- 12) On 25th February 2023- Program in Jangipara, Hoogly, West Bengal in collaboration with Thunder club and ISHBT donates food packets to lactating mother, pedestal fans and educational necessities to school students and a water purifier for the school along with awareness of anaemia prevention.
- 13) On 26th May 2023- In the Sundarban Manabkalyan Foundation Seva Trust, sundarban, West Bengal along with blood disorder awareness, donated two desktops, one printer, sport jerseys, pedestal fans, and stationery to underprivileged students in the village area.
- 14) On 02th October 2023- Along with ISHBT donated sports jerseys to the talented athletes at the Advance Sports and Training Academy.
- 15) On 22th October 2023 and 23th October 2023-Along with ISHBT donated blanket to 95 villagers in Namadhapa, Arunachal Pradesh and distributed medicines along with free medical check-up of 150 villagers and school Uniforms to 70 children.
- 16) On 06th December 2023- at Nursing Auditorium Barasat Government Medical College & Hospital, West Bengal- Training of Nurses and paramedical staff related to care of Haemophilia.
- 17) On 13th December 2023- at Main Campus, Lecture Theater Deben Mahata Government Medical College & Hospital, Purulia, West Bengal-Training on care and treatment of Thalassaemia among the Patients and relatives in front of health care worker.
- 18) On 20th December 2023- at Jhargram Government Medical College & Hospital, West Bengal- Awareness on different haematological disease among the Patients and relatives in front of health care worker.
- 19) On 23rd December 2023-Agarhati Ram Krishna Mission, North 24 Pargana, West Bengal- Health check up and distribution of medicine among the Village people.
- 20) On 10th January 2024 -at Conference Hall CMOH Office Nandigram Health District, Purba Midnapur, West Bengal- Training to administrator in the role of Primary health center, Rural Health center for the care on different haematological disease.

Multicenter clinical trials conducted (as a Principal Investigator & Co-Investigator)- 39 (Thirty-Nine)

International Trial-As a PI-No- 14 (Fourteen)

International Trial-As a Co-PI-No-9 (Nine)

National Trial-As a PI-No- 14 (Fourteen)

National Trial-As a Co-PI-No-2 (Two)

International Multicenter Clinical Trial-Principal Investigator-

1. Protocol No. NN7533-4470 (Phase -III)- Protocol Title: A multicentre trial evaluating the efficacy and safety of oral decitabine tetrahydrouridine (NDec) in patients with sickle cell disease (ASCENT 1). Date of Initiation-2024.
2. Protocol No: CVAY736Q12301 -Protocol Title: "A phase 3 randomized, double-blind study of Ianalumab (VAY736) versus placebo in addition to Eltrombopag in patients with primary immune thrombocytopenia (ITP) who had an insufficient response or relapsed after first line steroid treatment (VAYHIT2)". Date of initiation-2023.
3. Protocol Number: PZN-128 (Phase III)- Protocol Title: A randomized, international, multicenter double-blind study to compare the efficacy, safety, and immunogenicity of PZN-128 powder for solution for subcutaneous injection 250 µg (Pharmasyntez Nord

- JSC, Russia) versus comparator drug in patients with chronic idiopathic (immune) thrombocytopenic purpura. Date of Initiation-2023.
4. Protocol No.: CSEG101AIN01 (Phase IV)-Protocol Title: Burden of Vaso-Occlusive pain crisis: A Cross-sectional observational study among patients with sickle cell disease in India. Date of Initiation-2022.
 5. Protocol Number: 209628/ 00- Protocol Title: A Phase 2, Randomized, Parallel, Open-Label Study to Investigate the Safety, Efficacy, and Pharmacokinetics of Various Dosing Regimens of Single-Agent Belantamab Mafodotin (GSK2857916) in Participants with Relapsed or Refractory Multiple Myeloma (DREAMM-14). Date of Initiation-2022.
 6. Title of Trial: A Phase 3 Randomized Double-Blind Placebo-Controlled Study Investigating the Efficacy and Safety of Roxadustat (FG-4592) for Treatment of Anemia in Patients with Lower Risk Myelodysplastic Syndrome (MDS) with Low Red Blood Cell (RBC) Transfusion Burden (LTB). Protocol No:- FGCL-4592-082. Date of Initiation-2022.
 7. Protocol No- CSEG101A2403-Protocol Title: An Indian Multi-centric Phase IV study to assess the safety of Crizanlizumab with or without hydroxyurea therapy in sickle cell disease patients with vaso-occlusive crises. Date of Initiation-2021.
 8. Title of Trial: A Randomized Open-Label, Phase 3 Study to Evaluate Imetelstat (GRN163L) Versus Best Available Therapy (BAT) in Patients with Intermediate-2 or High-risk Myelofibrosis (MF) Refractory/Relapse to Janus Kinase (JAK)-Inhibitor Protocol No:- GRN163LMYF3001. Date of Initiation-2021.
 9. Protocol no-CARFILNAT-1 (Phase IV)-Protocol Title: -A open-label, multicenter, Phase IV Clinical Trial to evaluate disease response of Carfilzomib Injection with patients relapsed or refractory multiple myeloma who have received one to three lines of therapy. Date of Initiation-2020.
 10. Protocol No: CMBG453B12301 Study (Phase-III) Title: A randomized, double-blind, placebo-controlled phase III multi-center study of azacitidine with or without MBG453 for the treatment of patients with intermediate, high or very high-risk myelodysplastic syndrome (MDS) as per IPSS-R, or Chronic Myelomonocytic Leukemia-2 (CMML-2). Date of Initiation-2020.
 11. KCP-330-023- A phase 2b Randomized, Controlled, Open label study of Selinexor, Bortezomib and Dexamethasone (SVD) versus Bortezomib and Dexamethasone (Vd) in patients with Relapsed or Refractory Multiple Myeloma (RRMM). Date of Initiation-2017.
 12. KCP-330-009- A phase 2b Open label study of Selinexor, in patients with Relapsed or Refractory Diffuse Large B-cell Lymphoma (DLBCL). Date of Initiation-2017.
 13. Protocol: AB10004 (Phase III): -A multicenter, randomized, open-label, three-parallel groups, phase 2-3 study to evaluate the efficacy and safety of masitinib with dexamethasone, gemcitabine with dexamethasone and the combination of masitinib, gemcitabine and dexamethasone in patients with relapsed or refractory peripheral T-cell lymphoma. Date of Initiation-2016.
 14. Protocol (Phase III). A multi-center open label randomised study of BCD-020 (rituximab, CJSC BIOCAD, Russia) efficacy and safety in comparison with MabThara/ ristova (FF.Hoffmann-La Roche Ltd., Switzerland) in monotherapy of CD20-positive indolent non-Hodgkin lymphoma. Date of Initiation-2012.

International Multicenter Clinical Trial- Co-Principal Investigator-

1. Protocol No.: CC-220-MM-002 -Protocol Title: "A Phase 3, Two-Stage, Randomized, Multicenter, Open-Label Study Comparing Iberdomide, Daratumumab and Dexamethasone (Iberdd) Versus Daratumumab, Bortezomib, And Dexamethasone (Dvd) In Subjects with Relapsed or Refractory Multiple Myeloma (Rrmm) (Excaliber-Rrmm)". PI-Dr Rajib De. Date of Initiation-2024.
2. A Phase II, Multicenter, open-label study to assess appropriate dosing and to evaluate safety of crizanlizumab, with or without hydroxyurea/hydroxycarbamide, in sequential,

descending age groups of pediatric sickle cell disease patients with vaso-occlusive crisis. PI-Dr Rajib De. Date of Initiation-2023.

3. Protocol No.: 261203-Protocol Title: Phase 3, prospective, multi-center, open label study to investigate safety, immunogenicity, and hemostatic efficacy of PEGylated Factor VIII (BAX 855) in previously untreated patients (PUPs) < 6 years with severe hemophilia A (FVIII < 1%). PI-Dr Prakas Kumar Mandal. Date of Initiation-2020.
4. A Phase III randomised, double-blind, multicentre study to compare the efficacy, safety, pharmacokinetics, and immunogenicity between sb12 (proposed eculizumab biosimilar) and ® Soliris in subjects with paroxysmal nocturnal haemoglobinuria. PI-Dr Prakas Kumar Mandal. Date of Initiation-2018.
5. A multicenter phase II open-label, single-arm, prospective, interventional study of plasma ® derived factor VIII/VWF (Alphanate) in immune tolerance induction therapy in subjects with congenital Hemophilia A with inhibitors. . PI-Dr Prakas Kumar Mandal. Date of Initiation-2018.
6. A Single-Arm, Multicenter Phase IIIB Clinical Trial to evaluate the Safety and tolerability of prophylactic Emicizumab in Hemophilia A patients with Inhibitors. PI-Dr Prakas Kumar Mandal. Date of Initiation-2018.
7. ProtocolNo.:091501-Protocol Title: A Phase 3, Prospective, Multicenter, Open-label, Randomized, Crossover Study of Tolerability and Safety of FEIBA Reconstituted in Regular or 50% Reduced Volume and of Faster Infusion Rates in Patients with Hemophilia A or B with Inhibitors. PI-Dr Prakas Kumar Mandal. Date of Initiation-2018.
8. Protocol Number: B 3281006 (Phase-III) -Protocol Title: A Phase 3, Randomized, Double-blind study of PF-05280586 Versus Rituximab for the First-line Treatment of Patients with CD20-Positive, Low Tumour Burden, Follicular Lymphoma. PI-Dr Prantar Chakraborti; Date of Initiation-2014.
9. A Randomized, Double-Blind, Phase III Study Comparing Biosimilar Rituximab (RTXM83) Plus CHOP Chemotherapy Versus a Reference Rituximab Plus CHOP (R-CHOP) in Patients with Diffuse Large B-Cell Lymphoma (DLBCL) Given as First Line. Date of Initiation- 2013.

National Multicenter Clinical Trial- Principal Investigator-

1. Protocol Number: HT-6184-MDS-001 (IIA). Protocol Title: Phase 2a study of HT-6184 in subjects with IPSS-R Very Low, Low or Intermediate Risk Myelodysplastic Syndrome (MDS) and Symptomatic Anemia. Date of Initiation-2024.
2. Protocol No.: LGD-NUV001-CT01-22 (Phase IV). Protocol Title: “A Multicenter, Randomized, Double Blind, Placebo Controlled Study to Evaluate Safety and Efficacy of Orally administered NUV001 nutraceutical supplement in SCD patients. Date of Initiation-2024.
3. Protocol Number: C25030 (III). Protocol Title: A Multicenter, Single-arm, Open-label, Phase 4 Study to Evaluate the Safety and Efficacy of Brentuximab Vedotin plus Doxorubicin, Vinblastine, and Dacarbazine in Indian Patients with Untreated Stage 3/4 Classical Hodgkin Lymphoma. Date of Initiation-2024.
4. Protocol Number: CA056-023 (Phase IV). Protocol Title: A Phase 4 Study to Evaluate Safety and Effectiveness of Luspatercept (ACE-536) for the Treatment of Anemia due to IPSS-R Very Low, Low, or Intermediate Risk Myelodysplastic SyndromeS (MDS) with Ring Sideroblasts Who Require Red Blood Cell Transfusions in Subjects Who Have Had Unsatisfactory Response to or Are Ineligible to Erythropoietin Based Therapy and in Subjects With Transfusion Dependent Anemia Due to Beta-Thalassemia. Date of Initiation-2023.
5. Protocol Number: 0330-22Protocol (BA/BE). Title: A Randomized, Open-Label, Three-Treatment, Three-Arm, Three-Period, Single-Dose, Multi-Center, Cross-over Study to Assess Bioequivalence of Azacitidine Tablets of Intas Pharmaceuticals Ltd., India

- compared with ONUREG™ under Fasting Condition in Patients with Acute Myeloid Leukaemia in Remission Phase. Date of Initiation-2023.
6. Protocol Number: 0122-22 (III). Protocol Title: A Prospective, Nonrandomized, Open Label, Single Arm, Multicenter, Phase 3 Clinical Study to Evaluate the Efficacy and Safety of Human Normal Immunoglobulin for Intravenous Administration in Adult Patients with Chronic Primary Immune Thrombocytopenia. Date of Initiation-2023.
 7. Protocol No.: PF-114-02(Phase III). Protocol Title: "A multicenter, open-label, randomized, phase III clinical trial to evaluate efficacy and safety of PF-114 versus imatinib at 600 or 800 mg daily in adult patients with Philadelphia chromosome positive (Ph+) chronic myeloid leukemia (CML) in the chronic phase (CP) resistant to imatinib at daily doses of 400 or 600 mg. Date of Initiation-2022.
 8. Protocol Number: 484 (Phase IV)-14 Protocol Title: Safety and efficacy study of Azadine® (Azacitidine) in treatment of myelodysplastic syndrome in Indian patients. Date of Initiation-2021.
 9. Protocol Number: 063-15 (Phase III). Protocol Title: - A prospective, Open label, Multi-centric Study to evaluate the Efficacy and Safety of Inj. Romiplostim of Intas Pharmaceuticals Ltd. In Adult Indian Patients with Chronic Refractory Idiopathic Thrombocytopenic Purpura. Date of Initiation-2021.
 10. Protocol Number: 0470-19 (IV). Protocol Title: A prospective, single-arm, multicentre study to assess safety and efficacy of Romy® (Romiplostim Powder for Injection) (Intas Pharmaceuticals Ltd., India) in patients with chronic refractory immune (idiopathic) thrombocytopenia purpura (ITP). Date of Initiation-2021.
 11. Protocol #: RITU.17.001.01 (Phase III). Protocol Entitled: Randomized, Assessor-Blind, Multicentre, Parallel Group, Two Arms, Clinical Study to Assess the Efficacy, Pharmacokinetics, Pharmacodynamics, Immunogenicity and Safety of Rituximab (Test Product, Zydus) in comparison with Rituximab (Reference Product, Roche/Genentech) in Patients with Diffuse Large B Cell Lymphoma (DLBCL). Date of Initiation-2018.
 12. Protocol Number: 1005-16 (Phase IIIB)-Protocol Title: - A Prospective, Assessor-blind, Randomized, Parallel group Clinical Trial to Assess Single Dose Pharmacokinetics and Pharmacodynamics of Inj. Romiplostim from Intas Pharmaceuticals Ltd. and Inj. Romiplostim of Amgen Inc. (US licensed) in Patients with Chronic Refractory Immune (Idiopathic)Thrombocytopenic Purpura. Date of Initiation-2015.
 13. Protocol (Phase III). A prospective, Open label, Multi-centric Study to evaluate the Efficacy and Safety of Inj. Romiplostim of Intas Pharmaceuticals Ltd. In Adult Indian Patients with Chronic Refractory Idiopathic Thrombocytopenic Purpura. Date of Initiation-2014.
 14. Protocol Title (Phase III)-A Randomized, Multiple-dose, Multicenter, Comparative Parallel Study to Evaluate the Efficacy, Safety and Pharmacokinetic Characteristics of Intravenous Infusion Of Rituximab (Hetero) And Reference Medicinal Product (Rituximab, Roche) In Indian Patients Of Non-Hodgkins Lymphoma (HERILY Study). Date of Initiation-2013.

National Multicenter Clinical Trial-Co-Principal Investigator-

1. Protocol Number:251602 (Phase IV)-study title: phase iv multi-center, prospective,interventional, post-marketing study in hemophilia b patients in india receiving rixubis as on-demand or prophylaxis under standard clinical practice. PI-Dr Prakas Kumar Mandal. Date of Initiation-2020.
2. CT/31/01/12 (Phase III)-An open label, single arm, multicentric study evaluating the safety and efficacy of intranasal methylcobalamin for treatment and maintenance therapy of vitamin B12 deficiency. PI-Dr Prantar Chakraborti. Date of Initiation-2015.

**Publications International, National Journal and Conference
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