



Government of West Bengal
Institute of Postgraduate Medical Education & Research
Centre of Excellence in Medical Education & Research

Orthopedics

FACULTY

Prof. Mukul Bhattacharyya	MBBS, MS	Professor & Head
Prof. Ananda Kishor Pal	MBBS, MS, DNB, MNAMS	Professor
Prof. Rana Das	MBBS, MS	Professor
Prof. Alok Sovan Dutta	MBBS, MS	Professor
Dr. Dibyendu Biswas	MBBS, MS	Associate Professor
Dr. Tanmay Datta	MBBS, MS, DNB, MNAMS	Associate professor
Dr. Abir Ghosh	MBBS, MS	Associate Professor
Dr. Arnab Karmakar	MBBS, MS, DNB	Associate Professor
Dr. Avijit Basak	MBBS, MS	Assistant Professor
Dr. Souav Ghosh	MBBS, MS	Assistant Professor
Dr. Debojyoti Sarkar	MBBS, MS	Assistant Professor
Dr. Arindam Chatterjee	MBBS, MS	RMO cum Clinical Tutor
Dr. Banamali Samanta	MBBS, MS	RMO cum Clinical Tutor
Dr. Sourav Naskar	MBBS, MS	RMO cum Clinical Tutor
Dr. Arijit Das	MBBS, DNB	RMO cum Clinical Tutor
Dr. Supriya Sarkar	MBBS, MS	RMO cum Clinical Tutor
Dr. Nani Gopal Das	MBBS	RMO cum Clinical Tutor

Senior Residents

Dr. Syed Tabish Areeb Rahaman	MBBS, MS	Dr. Arnab Jana	MBBS, MS
Dr. Subhojit Sanyal	MBBS, DNB	Dr. Kevin Ghyanshyambhai V	MBBS, DNB
Dr. Ayon Das	MBBS, DNB	Dr. Argha Kusum Roy	MBBS, MS
Dr. Indrajit Munda	MBBS, MS	Dr. Prabhakar Sharm	MBBS, DNB
Dr. Subhodeep Ghosh	MBBS, MS		

Junior Residents

2019-2022	2020-2023
Dr. Kunal Mondal	Dr. Raunak Aggarwal
Dr. Santu Sarkar	Dr. Saikat Chatterjee
Dr. Mrinal Debnath	Dr. Kartikeya Desai
Dr. Malay Kumar Pati	Dr. Ujjal Ray
Dr. Sanjay Kumar Mahato	Dr. Subhasis Manna
Dr. Rohit Karmakar	Dr. Saurabh Dolui
	Dr. Shiladitya Chowdhury
	Dr. Anish Hazra
	Dr. Sabyasachi Bhattacharjee
	Dr. Subhendu Sikder

	Dr. Chandan Mondal Dr. Subham Mukherjee Dr. Ritwick Barman Dr. Wasimuddin Sardar Dr. Ardhendu Pandit
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Thesis completed

- **Dr. Kunal Mondal**-a comparative study of the outcome of high tibial osteotomy and proximal fibular osteotomy in medial compartmental osteoarthritis of knee.
- **Dr. Santu Sarkar**-a study to find correlation between semi tendinosus graft length and patient anthropometry.
- **Dr. Malay Pati**-a randomized prospective comparative study of functional outcomes between radial head excision & radial head replacement in cases of radial head & neck fractures
- **Dr. Mrinal Debnath**-a randomized prospective comparative evaluation of results of anterior cruciate ligament (ACL) reconstruction vs. ACL reconstruction with lateral extra-articular tenodesis in cases of complete ACL tear in adults for effective functional outcome of knee joint & its antero-lateral rotational stability.
- **Dr. Sanjay Mahato**- comparative evaluation of functional and radiological outcome in treatment with halifax nail and proximal femur nail a-ii in trochanteric fractures of elderly patients
- **Dr. Rohit Karmakar**-comparative evaluation of functional outcome between proximal fibular osteotomy and intra-articular visco supplementation in early knee osteoarthritis in adult population catering in a tertiary health care centre

Thesis work in progress

- **Dr. Raunak Agarwal**-Functional outcome of closed metacarpal fractures treated with pinning versus plate and screws.
- **Dr. Anish Hazra**-Comparative study of functional outcomes between proximal femoral nail and dynamic hip screw in stable intertrochanteric fractures in postmenopausal women.
- **Dr. Siladitya Chowdhury**-Clinical and radiological outcomes of Remplissage repair technique in anterior shoulder instability with Hill-Sachs lesion.
- **Dr. Sourav Dolui**-A comparison of functional outcome between decompression versus decompression and pedicular screw fixation in case of low back pain with radiation.
- **Dr. Subhasish Manna**-A prospective study on vacuum assisted closure therapy in control of soft tissue and bony infection in Gustilo-Anderson Grade IIIB open fractures.
- **Dr. Ujjal Ray**-Modular bipolar vs. fixed bipolar hemiarthroplasty: a comparative study on clinical and radiological outcomes.
- **Dr. Kartikeya Desai**-A comparative study of the outcome of peroneus longus tendon vs. hamstrings tendon as a choice of autograft for anterior cruciate ligament reconstruction.
- **Dr. Subhendu Sikder**-Comparison of functional outcome between interference screw and endobutton fixation on femur in arthroscopic anterior cruciate ligament reconstruction.
- **Dr. Washimuddin Sardar**-Comparative evaluation of functional and radiological outcome of open reduction and internal fixation (ORIF) vs. external fixation for displaced two and three parts of proximal humerus fracture.
- **Dr. Ardhendu Sekhar Pandit**-Comparative evaluation of functional and radiological outcome of single phase hybrid external fixation versus standard two stage surgical management of proximal tibial plateau fracture with soft tissue compromise.
- **Dr. Subham Mukherjee**-Evaluation of functional and radiological outcome in intra-articular calcaneum fracture managed with minimally invasive surgical treatment in adult population.

- **Dr. Chandan Mondal**-Evaluation of functional and radiological outcome of ipsilateral femur and tibia fracture in adult population in tertiary care center.
- **Dr. Ritwick Barman**-Study of pattern of osteoarticular infection with special reference to detection of biofilm.
- **Dr. Sabyasachi Bhattacharya**-Biochemical and radiological correlation in young adult long bone fracture.
- **Dr. Saikat Chakraborty**-Results of locking plates as external fixators versus conventional external fixators for open fractures of both bone leg (from GA II to GA IIIB) in adults.

DEPARTMENTAL ACADEMIC ACTIVITIES

1. Regular Academic activities like Seminar, Journal club, Clinical Case Presentation etc held in the seminar room of our department.
2. Conducted MS (Ortho) Examination on 5th august 2021
3. Monthly Tumor Board meeting held in every 3rd Saturday.
4. Seminar held on 8thJan 2021on – Bonebank by Dr. Santu Sarkar (Convenor: Prof. M. Bhattacharyya)
5. Seminar held on 29th Jan 2021on – Role of Bisphosphonates in Osteoporosis of elderly patients presenting with Colles fracture by Dr. Rohit Karmakar (Convenor: Dr. A. S. Dutta)
6. Seminar held on 9th Feb 2021on – Role of megaprosthesis in cases of bone tumors by Dr. Mrinal Debnath (Convenor: Dr. Arnab Karmakar)
7. Seminar held on 25th Feb 2021on – Indications and benefits of Dual Mobility THR System in revision THR cases by Dr. Kunal Mondal (Convenor: Dr. T Datta)
8. Seminar held on 6th Mar 2021- on – Management of Pelvic fractures with Urethral injury (Convenor: Dr. A. Ghosh)
9. Seminar Held on 7th June 2021 - Assesment and Management of Polytrauma patient with Head injury by Dr. Sanjay Mahato (Convenor Dr. M. Bhattacharjee)
10. Seminar Held on 18th June 2021-Periprosthetic fracture around knee by Dr. Malay Pati Convenor Dr. D. Biswas)
11. Seminar held on 2nd July 2021- Damage Control orthopedics by Dr. Rohit Karmakar (Convenor Dr. A. K. Pal)
12. Seminar Held on 15th July 2021-Management of open fractures with vascular compromise by Dr. Sanjay Mahato (Convenor Dr. A. Dutta)
13. Seminar held on 4th August 2021-Management of a patient with history of fall from Height With Spinal Injury by Dr. Kunal Mondal (Convenor Dr. A. Ghosh)
14. Seminar held on 3rd Nov 20201on – Principles of Internal Fixation by Dr. Santu Sarkar (Convenor: Dr. D. Biswas)
15. Seminar held on 17th Nov 20201on – Fracture Fixation &Healing Dr. Kunal Mondal (Convenor: Dr. Arnab Karmakar)
16. Seminar held on 3rd November 2021 on Cartilaginous injury in pediatric age group by Dr. Mrinal Debnath (Convenor: Dr. A. Ghosh)

Paper presentation in WBOACON, 2021

- Dr. Kunal Mondal – A Comparative Study of The Outcome of High Tibial Osteotomy and proximal fibular osteotomy in Medial Compartmental Osteoarthritis of Knee.
- Dr. Subhojit Sanyal- Comparison of efficacy of exercises with and without suprascapular Nerve Block, in the management of primary Adhesive Capsulitis.
- Dr. Rohit Karmakar- Clinical Functional and Radiological outcome of displaced intra articular calcaneal fractures managed with extensile lateral Approach vs Minimally Invasive Surgery.
- Dr. Santu Sarkar- En-mass resection of first metatarsal GCT with vascular fibular graft – poster presentation.
- Dr. Sanjay Mahato- Modified Sauve- Kapandji Procedure for patients with old fracture of the Distal Radius.

Dr. Santu Sarkar and Dr. Kunal Mondal – Runners up at quiz Competition WBOACON 2021.

PUBLICATIONS

Prof. A. K. Pal

- Pal C, Mani S, Pal A K, Rumani K, Hassan HC.: Assessment of risk factors and occurrence of osteoporotic fractures among low impact trauma clients in West Bengal, India : Enfermeria Clinica 2020, 30, pp. 6-11.
- Singh V, Pal A K , Biswas D, Ghosh A, Singh B P : Identification of patients at high risk of fragility fractures in an Indian clinical setting using FRAX : Archives of Osteoporosis , 2020,15(1),131
- Chhanda Pal, Smritikana Mani, Ananda Kisor Pal : A study to assess the knowledge regarding osteoporosis and related fractures among Peri Menopausal Women of Indian Society , International Journal of Advancement in Life Sciences Research, 2020, Vol 3(2), 56-61
- Ananda Kisor Pal, Debadyuti Baksi : Rationality of Open Method of Arthrolysis for Stiff Elbows- Long term functional outcome . Malaysian Journal of Medicine and Health Sciences (eISSN 2636-9346) 16 (SUPP10): Nov 2020, 88-92,
- Vaibhav Singh , Ananda Kisor Pal, Dibyendu Biswas , Alakendu Ghosh , Brijesh P Singh : Evaluation of Environmental and Socioeconomic Factors Contributing to Fragility Fractures in Indians J Environ Sci Public Health 2021;5 (3): 397-410

Dr. Tanmay Datta

- Comparative Evaluation of Results of Arthroscopic Single row versus Double row repair in full thickness Rotator Cuff tear in adult.- International Journal of Scientific Study/April 2021/Vol 9/issue
- Comparative Evaluation of Results of vertically oriented figure of 8 tension band wiring for displaced transverse fracture of patella in adult - International Journal of Scientific Study/April 2021/Vol 9/issue I

Dr. Dibyendu Biswas

- Vaibhav Singh, Ananda Kisor Pal, Dibyendu Biswas, Alakendu Ghosh, Brijesh P Singh. Evaluation of Environmental and Socioeconomic Factors Contributing to Fragility Fractures in Indians J Environ Sci Public Health 2021;5 (3): 397-410
- PFNA-II nailing unique complication central migration and its consequences A case report. Pinaki Das, Kunal Mondal, Tabish Rahaman, Kartikeya Desai, Dibyendu Biswas. International Journal of Health and Clinical Research,2021:4(21):212-215.
- Singh V, Pal A K , Biswas D, Ghosh A, Singh BP : Identification of patients at high risk of fragility fractures in an Indian clinical setting using FRAX : Archives of Osteoporosis, 2020,15(1),131

FACULTY NEWS

Prof. (Dr.) Mukul Bhattacharyya

1. As Internal Examiner of MS Orthopedics at IPGMER, SSKM Medical College on 5th Aug 2021
2. As External Examiner of DNB Examination in Medica superspeciality Hospital.
3. Was appointed nodal officer for covid care center at SNPH annex 2 of IPGMER AND SSKM HOSPITAL.

Prof. A. K. Pal

Lectures Delivered

1. Lectures on Orthosis and Prosthesis in OREF 21 July 2020
2. Description of case series on Piroxicam oral Tablet on Aug 2020
3. Orthopedic Special instrumentation in OREF on 24-11-2021
4. Clinical examination of the hip joint – delivered in OREF on 23-02-2021
5. Approach to patellar instability in Annual PG Course at Bwn on 26th Feb 2021
6. Lecture on restoration of Patellar instability in Mini IOACON at Jaipur on 5th March 2021
7. Lecture on user-friendly approach of TER in GOFCON at Patna on 20th March
8. Assessment of neurological cases on 10-04-2021
9. On Osteoporosis management – Public awareness lecture with Rotary Club on 18th April 2021
10. Orthopedic class on Deformity on 20-04-2021
11. Challenges of OA on 24th April 2021
12. Orthopedic management of computer associated injury on 01-05-2021
13. Tidbits of OA conducted by Sanofy on 3rd May 2021
14. Orthopedic management of Hand injury on 03-05-2021
15. Examination of pediatric cases on 06-05-2021

16. Orthopedic class on genetic diseases on 07-05-2021
17. Problems I have faced in OPD and Ward in Covid scenario- First WBOA webinar on 15-05- 2021
18. Basics of arthritis and its management on 17-05-2021
19. Basics of spondylosis on 24-05-2021
20. Approach to lumbar spondylosis on 27-05-2021
21. Low back pain assessment of cases on 06-06-2021
22. Leprosy and orthopedic management on 18-06-2021
23. Basics of Poliomyelitis and its management on 21-06-2021
24. Basics of Bone tumor on 28-06-2021
25. Overview of Orthopedics on 01-07-2021
26. Osteoarticular infection on 06-07-2021
27. Soft tissue management of open fractures on 02-07-2021
28. Plaster Techniques in Seminar at IPGMER on 23rd July
29. Analysis of a Hip case presentation in WBOA PG Crash course on 25th July
30. OSCE based Question and Answers discussions for DNB Orthopedic practical examination - Lecture in Orthopedic research education foundation (OREF): on 27th July 2021.
31. Multispecialty functions of Vitamin D July 31
32. Emergency trauma care as a part of Bone and Joint week of IOA on 03-08-2021
33. Role of TER in Osteoporotic distal Humeral Fr in elderly in e meeting with faculties of Orthopedics Dept. Kishangang on 12-08-21
34. Role of Iguratimod in Rheumatoid arthritis and Ankylosing Spondylitis -on 27th Aug 2021
35. Modified technique of TER in JOACON, Hazaribag, Jharkhand on 29th Aug 2021
36. Art of writing answers in Orthopedic theory examination- Lecture in Orthopedic research education foundation (OREF): on 7th SEPT 2021
37. A new armamentarium for management of Inflammatory arthropathy - Tofacitinib on 10th September
38. Open SC Fr Femur-gap management- 30-09-2021
39. Management of postmenopausal osteoporosis in Orthopedic patients- Tips & Tricks - on 19-11-2021
40. The patch – titbits” on 01-12-2021
41. Hip preservation in neglected femoral neck Fracture- in CME of WBOACON 2021 on 03-12-21
42. Additional procedures of fracture neck of femur - When &How ?- In AOTS Session in WBOACON 2021 on 04-12-21
43. Manipulation of Neovascularization of tendinopathy: a novel therapeutic approach- in WBOACON 2021 on 04-12-21
44. National lecture from OREF, India on “ Titbits of new Organ-Amputations” on 07-12-2021

Organization

1. Conducted Sportsmedcon Virtual Conference on 3rd May 2020
2. Conducted WBOA Presidential Gold Medal Examination in IPGMER on May 2021
Moderator/Expert panelist of state/ national academic meeting:
 1. Expert panelist in WOC Webinar on 25th Sept 2020
 2. Moderator of Eastern Zone with AAOS e meeting on Distal tibia fractures and below knee trauma : resolving the unsolved- on 22-05-2021
 3. Moderator of Bone-muscle-joint meet on Lisfranc injury on 30-05-2021
 4. Moderator of seminar on Lisfranc injury – an update on 20-06-2021
 5. Moderator of Webex virtual meeting on 22nd June 2020
 6. Moderator of Eastern Zone with AAOS e meeting on Hip and Knee Arthroplasty on 10th July
 7. Expert panelist of e clinical meeting of WBOA presented by BMCH on 13-08-2021

Conducted Examinations

1. As External of MS Orthopedic examination of Manipur Univ, RIMPS on 28th April 2021.
2. As Internal Examiner of MS Orthopedics at IPGMER, SSKM Medical College on 5th Aug 2021.
3. As External of MS Orthopedic examination of MGM Medical College, Kishangang.

Dr. Tanmay Datta

Lectures delivered

1. At ACCLMPCON 2021, at Calcutta national medical College on December 2021 on "The Role of Lab Investigations in Trauma Care management and need for gap analysis in present scenario".
2. Acute trauma life support (ATLS) workshops at IPGMER and SSKM Hospital, Level 1 Trauma care center.

Conducted examinations

1. Designated paper setter and examiner for final exam of BPT course held by West Bengal University of Health Sciences in July 2021.
2. Conducted MS ORTHOPEDICS final examinations for the year 2020-21.
3. Conducted DNB ORTHOPEDICS examinations for the year 2020-21.

Administration

1. In charge, Trauma care center, IPGMER AND SSKM HOSPITAL (Centre of excellence).
2. Appointed nodal officer for management of cyclone AMPHAN at Trauma Care Centre, SSKM HOSPITAL.
3. Assessor at NITI AAYOG, Ministry of Health and Family Welfare, Government of India.
4. Active contributor to activities of ROTTO (Regional organ and tissue transplantation organization) at IPGMER and SSKM hospital.

Dr. Arnab Karmakar

1. Faculty at IOACON 2021 at Jaipur. Delivered a lecture on "Decision in SLAP tear" 5-7th March, 2021.
2. Invited Guest faculty at OOACON 2021, 13th March at Cuttack, Orissa. Presented 2 lectures on "shoulder instability and patellar instability". Judged the PG paper presentation competition.
3. One of the Judges for TYSAA 2021 at eastern regional round.
4. Faculty at ICL 2021 at Vedic Village on 20th March. Presented a case on Complex Trauma.
5. Guest Faculty at Patna knee course on 10th April. Talk on " Tips and Tricks of ACL reconstruction"
6. Faculty at WBOA PG COURSE WEBINAR.
7. Faculty at Live arthroscopic course at Ranchi, Jharkhand on 8th august. Live demonstration on Arthroscopic MPFL reconstruction.
8. Faculty and moderator of live surgery session WBOA SYMPOSIUM ON TROCHANTERIC FRACTURES at JBC Hospital, Kolkata on 5th September.

Faculty and Quiz master in WBOACON 2021at ITC Royal Bengal, 3-5 December. Presented 2 papers, one in Biswajit Sen medal session and another in pelviacetabular session

SERVICE INFORMATION

(From Dec 2019 - Nov 2020)

1. No of Patients attended in Orthopedics OPD – 183981
2. No of Patients operated in Emergency Ortho OT – 2762
3. No of Patients operated in Ortho main OT – 1697
4. No of Patients admitted in Orthopedic ward – 4091
5. Joint Replacements (last one year)
 - THR done – 37
 - TKR done – 25
 - TER done – 05
- 6) Arthroscopic Operations (last one year)
 - ACL Reconstruction – 127
 - PCL Reconstruction – 05
 - Meniscal repair – 07
 - Repair in case of Shoulder instability done (Bankart repair) – 45

Rotator cuff repair – 19

7) Spinal Surgery done (last one year) – 27

8) Deformity correction by Illizarov fixators – 15
