

Department of Orthopaedics

Introduction

Department of orthopaedics started working with only two senior residents since 1999. Department have been established with one faculty and two senior residents in 2006. At present department is well equipped with Machine & equipments, Supporting Staffs, Departmental office, Air condition seminar room-cum Library. We have also Modular OT, Emergency OT, and Plaster room, Bed strength 60. We have routinely performed Arthroplasty, Arthroscopic and Spine and Trauma Surgery.

Faculty:

	<p style="text-align: center;">Dr. Santosh Kumar Professor & Head Office:- 0612-2297631 Residence:- 0612-2290470 Mob:- 9473191824, 9431860433 E-Mail: drsantoshigimsortho@gmail.com</p>	<p style="text-align: center;">Spine & Trauma Surgery</p>
	<p style="text-align: center;">Dr. Ritesh Runu Associate Professor Mob:- 8544410064, 9572109488, E-Mail: drriteshrunu@gmail.com</p>	<p style="text-align: center;">Pediatric Orthopaedics</p>
	<p style="text-align: center;">Dr. Manish Kumar Assistant Professor Mob:- 8544413202, 9835462164 E-Mail: manishorthomicro@gmail.com</p>	<p style="text-align: center;">Sport Injury & Hand Microsurgery</p>

Patient Care:

<ul style="list-style-type: none"> • OPD – 25000 patients annually • IPD – 569 patients annually • Major operations – 369 annually 	<ul style="list-style-type: none"> • 24 hours Emergency trauma care • Medical UG & PG training and Teaching • Arthroplasty and Arthroscopy Surgery • Allied departments and Para Medical training.
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OPD Clinic:

Sl. No.	Name of the Faculty	Time of Registration	OPD Days
1	Dr. Santosh Kumar	8.30 to 1.30 pm	Monday, Wednesday
2	Dr. Ritesh Runu	8.30 to 1.30 pm	Tuesday, Friday
3	Dr. Manish Kumar	8.30 to 1.30 pm, 12 Noon Saturday	Thursday, Saturday

Specialty Clinic

Sl. No.	Name of Clinic	Days	Time	In-charge
1	CTEV	Tuesday	2.00 to 4.00 PM	Dr. Ritesh Runu
2	Spine	Wednesday	2.00 to 4.00 PM	Dr. Santosh Kumar
3	Sport Injury	Thursday	2.00 to 4.00 PM	Dr. Manish Kumar
4	Diabetic foot	Monday	2.00 to 4.00 PM	Dr. Ritesh Runu

Supporting Staffs:

Sl. No.	Name with Resident	Designation	Contact No.
1.	Dr. Abhijeet Subhash	Senior Resident	8877122880
2.	Dr. Nishant Kashyap	Senior Resident	7070808787
3.	Dr. Anand Shankar	Senior Resident	9504625601
4.	Dr. Arnab Sinha	Senior Resident	9386453600
5.	Dr. Farman Ali (PMR)	Senior Resident	9835073556
6.	Dr. Vidya Sagar	Senior Resident	7481969727
7.	Dr R.K. Ranjan	Senior Resident	7870932323
8.	Dr Rishabh Kumar	Senior Resident	8986268845
9.	Dr Saurabh Kumar	Senior Resident	9835167698
10.	Dr Deepak Kumar	Senior Resident	9654417987
11.	Dr. Arvind Kumar	Junior Resident	8294426472
12.	Dr. Himanshu Kumar	Junior Resident	9801855842
13.	Dr. Mukesh	Junior Resident	9534746352
14.	Dr. Sitaram	Junior Resident	9570917821
15.	Dr. Rajesh Kumar	Junior Resident	9852634738
16.	Dr. Sudhir Kumar	Junior Resident	9431277421

Non-Teaching Staff:

S. No.	Name	Designation
1.	Mr. Sanjay Pandit	C-Arm Technician
2.	Mr. Santosh Kumar	Technical Assistant (Plaster Coolly)
3.	Mr. Pramod Kumar Sah	Dresser
3.	Shree Lalo Chaudhary	Office Attendant
4.	Mr. Ritesh Kumar	Office Assistant
5.	Mr. Karan Raj	Record Keeper

List of available Major equipments:

Sl. No.	Name of the Equipment	Qty.
1	Arthroscope	1
2	Image Intensifier (C-Arm)	3
3	Hip Arthroplasty set	1
4	Knee Arthroplasty set	1
5	Fracture Fixation set	8
6	Spine surgery set	5
7	DHS set	4
8	Inter locking nail set	10
9	External Fixator Set	6

Research:

1. As Principal investigator in (Multy-Centric Trail) “Efficacy and Safety of Nimesulide Extended Release Tablets in Symptomatic Treatment of Osteoarthritis Knee: A Double Blind Randomized Controlled Comparison with Placebo and Diclofenac Sustained Release Tablets”
Sponsored by PANASIA Biotech
Year – 2008, after clearance from IGIMS ethical committee
2. As Principal investigator :- A Randomized, Double-blind, Parallel-group, Placebo controlled, Multicenter Study to evaluate the clinical equivalence of Diclofenac Sodium Gel 1% (Dr. Reddy’s Laboratories Ltd) with Voltaren® Gel 1% (Diclofenac Sodium Topical Gel 1%) (Novartis) in patients with Osteoarthritis of the Knee
Sponsored by – DR REDDY’s Laboratories Ltd, (Waiting for approval from IGIMS ethical Committee)

Workshop and CME organized

1. WORKSHOP & CME- 14.06.09 2007 On Total Joint Replacement
2. Orthopaedics Infection at IGIMS 17TH MAY 2015
3. Work shop on Acetabular Fracture, 22 Nov 2015
4. Pediatrics Hip symposium, 17th April 2016

Contributions in Community and National Programmers:

- BMD CAMP and Public awareness Programs
- Orthopaedics Camp at Patna city and Begusarai
- Regular Public awareness Programs on osteoporosis at IGIMS in ortho OPD
- BMD CAMP and Public awareness Programs on osteoporosis on World Cancer day
- Road safety awareness Program - Public awareness at IGIMS

Publications:

Academic year 2016

1. Ritesh Runu. Chapter on Clubfoot in ABC of Neonatology.
2. Ritesh Runu, Montu Jain, Niraj Narain Singh, Santosh Kumar. Prevalence of Osteoporosis in Bihar: a sample study. Journal of Indira Gandhi Institute of Medical Sciences 2016, Vol 2 (No. 1): 15 – 17.
3. Arnab Sinha, Amit Kumar, **Santosh Kumar**: Results of Spinal Fixation in Thoracolumbar Spine fractures with Spinal Cord Injury using the ASIA Impairment Scale, JMSCR Vol-4, Issue-02, Page-9163-9167, February

4. Mantu Jain, Ritesh Runu, Manish Kumar, **Santosh Kumar**: Self- injected “Harpic” poisoning A Case Report, Indian Journal of clinical Practices Vol 26, No 9, February 2016, Page 853-855.
5. Arnab Sinha, A. Chaitanya, Wasim Ahmed, Ritesh Runu, **Santosh Kumar**: Caregivers Need Care Too –Work Related Musculoskeletal Disorders in Nursing Staff, JMSCR, Vol-04, Issue-01, Page 8993-8998, January 2016.
6. Mantu Jain, Sanjay Kumar, **Santosh Kumar**, Ritesh Runu: A Case Report, Retrieval of Neglected Head Fragment in Patient with Femoral Prosthesis, Yuva Journal of Medical Science Vol 2, No1, January 2016.pg. 1-3

Academic year 2015

1. Ritesh Runu, Manish Kumar, Indrajeet Kumar. Abhijeet Subhash, Santosh Kumar. A case report on Sciatic Nerve Palsy following Interlock Nailing. Journal of Indira Gandhi Institute of Medical Sciences 2015, Vol 1, No. 1: 49-50.
2. Santosh Kumar, Dr Manish Kumar, Dr Indrajeet Kumar, Binay Pandey. Early Short Segment Spinal Fixation in Traumatic Paraplegia, Our experience at IGIMS: Journal of Indira Gandhi Institute of Medical Sciences 2015, Vol 1; No. 1: 28-31.
3. Arnab Sinha. The Rationale of spinal fixation in SCI patients- A review of literature. Journal of Bihar Orthopaedic Association 2015, vol XXVI; no2: ----
4. Arnab Sinha, Wasim Ahmed, Manish Kumar, Santosh Kumar. Prediction of TA tenotomy in clubfoot treatment. Journal of Advanced Medical and Dental Sciences Research 2015, Vol3; Issue 5: November ISSN 2230-9926.
5. Arnab Sinha, Wasim Ahmed, Manish Kumar, Santosh Kumar. Are we diagnosing TB spine correctly? - The way forward International Journal of Development Research Nov 2015 vol 5 issue 11; ISSN 2230-9926.
6. Arnab Sinha, Niraj Narain Singh, Manish Kumar, Santosh Kumar. Current concepts regarding timing of surgery and role of decompression in spinal fixation of SCI patients- A review of literature (accepted for publication in Journal of Advanced Medical and Dental Sciences Research).
7. Arnab Sinha, Rakesh Kumar, Indrajeet Kumar, Kaushlendra Kumar. Combination therapy for Osteoporosis- the quest for a protocol (accepted for publication in Journal of Bihar Orthopaedic Association)
8. Ritesh Runu. Management of Childhood Septic Arthritis of Hip. Journal of Bihar Orthopaedics Association June 2015, Vol: XXVI No 1 08-11.
9. Shankar Anand, Sinha VK, Shrestha BP, Khanal GP, Choudhary Prijal R, Maharjan R, Paneru SR, Kalwar RPS. A Retrospective Study of Chronic Osteomyelitis In A Tertiary Care Centre Of Eastern Nepal. Journal of Bihar Orthopaedics Association June 2015, Vol: XXVI No 1 18-22.
10. Niraj Narain Singh, Manish Kumar, Pawan Kumar, Rajat Charan, Ritesh Runu, Santosh Kumar. Pronator Quadratus Muscle Pedicle Graft For Stage III Keinbock Disease: Our Experience At IGIMS. Journal of Bihar Orthopaedic Association Oct 2015 vol XXVI no 2.

Academic year 2014

1. S.S. Hague, Santosh Kumar, M.A. Muzaffar. R. Kumari, U. Kumar, A. Sharan, Md Tanweeruddin. Evaluation of Serological Marker for the Diagnosis of Rheumatoid Arthritis: Scientific Journal of Medical Science. 2014 3 (4) 316-319 doi 10.14196/sjms V3/4 1254.
2. Indrajeet Kumar, Santosh Kumar, Dr Rajat Charan, and Binay Pandey. Role of Epidural steroid injections in Low Back Pain due to canal Stenosis: Accepted for publication –Indian Medical Journal. (Ref.No. 927/2014)

3. Rakesh Kumar, Indrajeet Kumar, Arnab Sinha, Prof. D. K. Sinha, Santosh Kumar. A Case Report Unusual Presentation of intradural Extradural Epidermoid Cyst of Dorsal Spine Presenting as Post-traumatic Complete Paraplegia. Accepted for publication –Indian Medical Journal.(Ref. No. 601/2014)
4. Syed Hague, Santosh Kumar, Rekha Kumari, Uday Kumar, Anand Sharan, Md Tanweeruddin. Evaluation of Biochemical Marker for the Diagnosis of Rheumatoid Arthritis: Journal Of Health Sciences, Vol. 4, No 1 (2014)

Academic year 2013

1. Santosh Kumar, Dr Indrajeet Kumar, Dr Rajat Charan, Binay Pandey. Fixation with pedicle screw for thoracolumbar spine fracture, our experience at IGIMS. Accepted for publication-Journal of Indian medical Association (Ref. No. Ed/ACK/142/2013).

Academic year 2012

1. Rajat Charan, Vikash Ranjan, **Santosh Kumar**. Management of Facet Joint Dislocation of Lower Cervical Spine: Journal of Bihar Orthopaedic Association, 26(1): 19-24, 2012.
2. Indrajeet Kumar. **Santosh Kumar**, Manish Kumar, R. K. Roy, Shamir Rahman. Late presentation of congenital constriction band syndrome at the age of 38 year; a case report. Journal of Bihar Orthopaedic Association, 26(1): 40-42, 2012.

Academic year 2011

1. **Santosh Kumar**, Manish Kumar, R. K. Roy, Prevention and Management of Osteoporosis: Journal of Bihar Orthopaedic Association, 25(1): 12-15, 2011.
2. **Santosh Kumar**, Binay Kr. Pandey, Josni Khan. Physiotherapy Management of Osteoarthritis Knee: Journal of Bihar Orthopaedic Association, 25(1): 27-28, 2011
3. Manish Kumar, **Santosh Kumar**, R. R. Kanaujiya. Observation on Patency Rate after Microvascular Anastomosis of Guinea Pig, s Femoral Artery: Journal of Bihar Orthopaedic Association, 25(1): 16-19, 2011.
4. Prem Kumar, **Santosh Kumar**, Bindey Kumar. Interpreting Plain Radiography Bone: Journal of Bihar Orthopaedic Association, 25(1): 35-39, 2011.
5. Manish Kumar. Side to side arteriovenous anastomosis by continuous suture technique as permanent vascular access for dialysis. Journal of Bihar Orthopaedic Association, 25(1): 2011
6. Runu R, Agrawal V. Botulinum Toxin as Treatment Modality for Spastic Diplegic Cerebral Palsy Child: Our experience in 21 patients. Indian Journal of Physiotherapy and Occupational Therapy 2011(Jul – Sep); vol. 5, no 3, page 6 -9.

Academic year 2010

1. Santosh Kumar, Bindey Kumar, Manish Mandal, Prem Kumar. Common Birth Injuries: Indian Medical Journal, 104 (11): 393-394, 2010.
2. Santosh Kumar, Bindey Kumar, Binay Kr. Pandey, Prem Kumar. Comprehensive Management of Osteoarthritis Knee: Indian Medical Journal, 104 (12): 424- 425, 2010.
3. Santosh Kumar, R. R. Kanaujiya, Bindey Kumar, Rajat Charan, Prem Kumar. Observation on Management of Hand Injury Cases: Indian Medical Journal, 104 (12): 426- 428, 2010.

Academic year 2009 and back

1. Runu R. Role of Botulinum toxin in treatment of cerebral palsy in children. Journal of Bihar Orthopaedics Association, 2009, vol. 23, No.1: P 36-39.
2. Rajat Charan, **Santosh Kumar**, Bindevy Kumar, Prem Kumar. Neglected Club Foot Management with Jess: Indian Medical Journal, 104 (12): 413-414, 2010.
3. Ajit Gupta, **Santosh Kumar**: Fat Embolism Syndrome: Indian Medical Journal, 103 (2): 61-63, 2009.
4. Runu R, Pai R. R, Sinha N K, Bhaskar P. Our experience with epidural steroid injections in management of Low back pain and sciatica. Kathmandu University Medical Journal, 2005; Vol. 3, No. 4, Issue 12; P 349 – 354.
5. Runu R, Dhungana V. Is it book bag disease? A case report on Scheurmann's disease. Journal of Indian Rheumatology Association, 2005; 13:126 – 128.
6. Runu R, Charan R. Gamma Interlocking Nail in comminuted subtrochanteric femoral fractures. Journal of Bihar Orthopaedics Association, 2001, vol. XIV (1): P 34- 36.
7. Runu R. Singh R.K. BMD - Recent advancement in diagnosis of osteoporosis. Journal of Bihar Orthopaedics Association, 2002, Vol. XV (1) P 26 - 29.
8. Runu R, Singh R. Non union of phalangeal fracture. A case report. Journal of Bihar Orthopaedics Association, 2002, vol. XV (1): P 46.
9. Runu R. Iatrogenic Ulnar nerve injury in Supracondylar fracture of humerus in children: a review. Journal of Bihar Orthopaedics Association, 2010, vol. 24, No.1, P 17-20.
10. Swaroop A, Runu R, Dave D, Dube AS. Role of Autologous Blood in management of resistant Tennis elbow. Journal of Biosciences. 2012.
11. Project work for Postgraduate Diploma in Hospital administration (NIHFW): Management of IPD patients in orthopaedic department – Managerial considerations.

Awards & Honors:

1. 1st prize winner in annual function of IGIMS Departmental stalls in two consecutive years
 - i. 2014-2015
 - ii. 2015-2016
2. Three prizes were given for best case presentation among P.G Students in CME on “Difficult cases of orthopaedics” on 08.09.2007.

Future Plan

- Starting MS Orthopaedics waiting for MCI inspection
- Starting a Trauma Centre at our Institute that is excellence of Bihar
- To Start BONE BANK at IGIMS like AIIMS Delhi.
