

ORTHOPEDECS

Topics	
Observational (Descriptive)	
1.	Evaluation of metabolic bone status (Calcium, Phosphorus, Alkaline phosphatase, Parathormone, Vitamin D, DEXA Scan) and nutritional status (Haemoglobin, Total protein/albumin) in elderly population undergoing elective orthopedic surgery.
2.	Etiological classification and management of Spondylolisthesis: Study of functional outcomes and complications.
3.	Outcome analysis of Masquelet grafting technique for open distal femoral fractures with large bone defect.
4.	Epidemiological study on vitamin D deficiency among children with neuromuscular disorders attending the outpatient clinic as compared to their siblings.
5.	The pattern of two-wheeler Road Traffic Accidents (RTA) injuries and their outcome.
6.	To study the etiology and pattern of perioperative infections in (your region): A hospital-based study.
7.	To study the functional outcome of distal radial fractures in elderly patients treated non-operatively.
8.	To study the functional outcome of fracture calcaneum treated non-operatively.
9.	Outcome of untreated Congenital Talipes Equinovarus (CTEV) cases in children younger than 10 years treated using Ponseti method.
10.	Long-term outcome of non-operative treatment of degenerative rotator cuff tears using specific rehabilitation protocols.
11.	To study the epidemiology and clinical profile of osteoarthritis of knee in (your region).
12.	To study the epidemiology and clinical profile of osteoporosis in (your region).

13.	To study the outcome of Pediatric femoral shaft fractures treated non-operatively in patients younger than 7 years.
14.	Clinico-radiological outcome of Transpedicular decompression and posterior stabilization with pedicle screws in tuberculosis of dorsal and dorsolumbar spine.
15.	To study the factors leading to limb-length discrepancy after total hip replacement.
16.	To study the transpedicular bone grafting along with Pedicular Screw fixation in traumatic dorsolumbar burst fracture.
17.	Functional outcome after operative management of unstable acetabular fractures: A prospective study.
Observational Analytical	
18.	Evaluation of effects of heavy smoking on fracture healing in long bones treated operatively and non-operatively.
19.	Comparative Study of Surgical Techniques in the Management of Patellar Fractures.
20.	Correlation of clinical vs radiological Magnetic Resonance Imaging (MRI) healing of degenerative Supraspinatus tear undergoing arthroscopic rotator cuff repair.
21.	A comparative study of incidence of delayed healing and failure of fracture union in subjects with fractures of neck of femur, in patients on vs without steroid therapy: A prospective study.
22.	Donor site morbidity of harvesting of peroneus longus tendon graft for reconstruction of ligaments in terms of foot function scores and sports performance: Prospective Cohort.
23.	Comparative Radiological and clinical analysis of comminute and segmental fractures of shaft of humerus treated surgically vs functional cast bracing:- A Prospective study.
24.	Functional and radiological outcome of Closed Schatzker Type V and VI Tibial Plateau Fractures managed by Ilizarov fixator: A Prospective study.
25.	Clinical and radiological outcomes of medial opening wedge high tibial osteotomy in KL grade 2/3 osteoarthritis of knee.

26.	Comparative outcomes analysis of non-antibiotic nail fixation Versus antibiotic nail fixation for open fibula tibia fractures – a prospective study.
27.	Is early internal fixation better than external fixation and subsequent delayed definitive fixation in grade III open fractures of tibia.
Experimental	
28.	Comparison of clinical and radiological outcomes for distal tibia fractures treated with locking plate osteosynthesis or intramedullary locking nails.
29.	Randomized control trial to compare clinical and radiological outcome of long vs short Proximal femoral nails in intertrochanteric fracture of femur.
30.	Assessment of residual dysplasia in children with developmental dysplasia of hip managed by open reduction vs open reduction and osteotomy.
31.	Short-term outcome analysis of primary debridement and interlocking nailing versus staged management (initial debridement followed later by internal fixation) in grade I and II open femur fractures – a randomized controlled trial.
32.	A randomized controlled trial on incidence of non-operative treatment vs Surgical treatment of Grade III acromioclavicular dislocation.
33.	Functional outcome of Austin Moore prosthesis vs cemented bipolar in fracture neck of femur in elderly more than 70 years age.
34.	Comparing the role of Yoga (Pranayama and SuryaNamaskar) alone vs Yoga plus standard of care in Fibromyalgia.
35.	Effectiveness of Unicondylar knee arthroplasty versus High tibial osteotomy in medial compartment arthrosis of knee in younger population (40-60 years): Randomized controlled trial.
36.	Comparison of efficacy of standard of care with and without Platelet rich plasma (PRP) to improve functional outcomes in KL grade 2/3 osteoarthritis of knee joint.
37.	To study outcome and complications of Pediatric femoral shaft fractures treated with elastic nails versus plating.

38.	Comparison of rates of surgical site infection in patients receiving 24 hrs vs 48 hrs of prophylaxis in internal fixation treatment of closed fractures.
39.	Comparative study on outcome of medial open wedge osteotomy vs hemicallostasis using dynamic axial fixator for unicompartmental osteoarthritis of Knee.
40.	Randomized control study to evaluate the role of platelet rich fibrin (PRF) in intracapsular fracture neck femur.
41.	Randomized control study to evaluate the role of platelet rich fibrin (PRF) in open fractures of tibia.
42.	Comparative study to evaluate the role of platelet rich fibrin (PRF) in spine fusion.
43.	Evaluation of the efficacy of platelet-rich plasma therapy in the treatment of tennis Elbow as compared to the standard of care.
44.	Comparison between robotic and conventional total knee replacement (TKR): are surgical and functional outcomes better?
45.	Comparison of functional outcome of Anterior Cruciate Ligament (ACL) Reconstruction using hamstring graft vs bone-patellar tendon-bone (BPTB) graft.