



**Sancheti Institute for Orthopaedics and Rehabilitation,
Pune**

**Sancheti Research and Publications Department
Activity Report
2009-2010**





Inaugurated by
Dr. Mohit Bhandari
Research Chair
Canada

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List of Publications

LIST OF PAPER PUBLICATIONS

1. Patwardhan S, Shyam AK, Sancheti PK, Parate PH, Rocha S . Effects of fractional hamstring release on crouching gait and scissoring gait in a patient of cerebral palsy. Medical Journal of Western India. Dec 2009; (37):61-69.
2. Sancheti P, Hardikar M, Karne N, Panse J, Singh S, Maria A, Basu I. A multicentric, randomized, comparative clinical trial to evaluate the efficacy and safety of S-etodolac in the treatment of osteoarthritis in Indian patients. Int J Clin Pharmacol Ther. 2010 Jul;48(7):429-34.
3. Sancheti KH, Sancheti PK, Shyam AK, Dhariwal Q, Patil Surendra, Joshi R. Clinical and Functional Outcome of Indus Knee Prosthesis- A prospective Single Centre Study. Medical Journal of Western India. Dec 2009; (37):35-43.
4. Sancheti KH, Sancheti PK, Shyam AK, Patil S, Dhariwal Q, Joshi R. Management of unstable osteoporotic intertrochanteric fractures of the femur in the elderly by primary hemiarthroplasty: A retrospective case series. Indian J Orthop [Epub ahead of print] [cited 2010 Aug 23].
5. HR Song, Shyam AK. Author's reply to comments on Shyam et al: Leg lengthening by distraction osteogenesis using the Ilizarov apparatus: a novel concept of tibia callus subsidence and its influencing factors. Published in International Orthopedics. 2010 Feb 27

6. Shyam AK. To the Editor: "Comparison of Ponseti and Kite's method of treatment for idiopathic clubfoot" – accepted for publication in Indian Journal of Orthopedics. Ahead of print Indian Journal of Orthopaedics Oct-Dec 2010.
7. Sancheti KH, Laud NS, Bhende H, Reddy G, Pramod N, Mani JN. Authors comment on Letter to Editor: The INDUS Knee Prosthesis – Multicentric Trial of a Posteriorly Stabilized High Flex Design: Short Term Prospective Follow Up. Ahead of print, Indian Journal of Orthopaedics, Oct-Dec 2010.
8. Ketan Khurjekar, A.K. Shyam, Vivek Sharma, K. Keskar, P. K. Sancheti: Surgical treatment of adolescent severe stiff idiopathic scoliosis with combined anterior and posterior approach – a prospective cohort study. J.Orthopaedics 2009;6(4)e6
9. Ketan Khurjekar, A.K. Shyam, Darshan Sonawane, Parag Sancheti: Effect of kyphosis and wedge angle on functional outcome of vertebroplasty. Accepted by Journal of Orthopedic Surgery (Hong Kong) August 2010.
- 10.P. K. Sancheti, Atul Patil, A.K. Shyam, Kailash Patil, Milind Merchant. Outcome of Operatively Treated Anterior Column Fracture of the Acetabulum- A Short term Prospective Cohort Study. J. Orthopaedics 2009;6(4)e7
11. Sancheti KH, Laud NS, Bhende H, Reddy G, Pramod N, Mani JN. The INDUS knee prosthesis - Prospective multicentric trial of a posteriorly stabilized high-flex design: 2 years follow-up. Indian J Orthop 2009;43:367-74
12. Shyam AK, Sancheti PK, Patel SK, Rocha S, Pradhan C, Patil A. Use of antibiotic cement-impregnated intramedullary nail in treatment of infected non-union of long bone. Indian J Orthop 2009;43:396-402

13. M.S. Kulkarni, S.R. Sathe, K.C. Sharma, K.H. Sancheti. Finite element analysis of mechanical behavior of SMP hip joint implanted in femur bone. Trends in Biomaterials and Artificial Organs, May-August, 2009 page 10-15
14. George Mathew, Parag Sancheti, Anil Jain, Mohit Bhandari. Multicenter Collaborative for Orthopaedics Research in India: An opportunity for global leadership. Indian Journal of Orthopaedics Year: April- June 2008, Volume : 42, Issue:2 Page:165-168)
15. Parag Sancheti . Thiocolchicoside in the treatment of Acute low back pain. Asian Journal of Orthopaedics and Rheumatology Vol 5 No, 2 July 2008.
16. Brad Petrisor, Mohit Bhandari, Parag Sancheti et al. Fluid lavage in patients with open fracture wounds (FLOW): an international survey of 984 surgeons. Bio Medical Central (BMC) Musculoskeletal Disorders 2008,9:7
17. R. Parasnis, Dr. G. Talwadekar, Dr. R. Kamdar. Management of Patients with Acute Spinal Cord Injuries. Indian Journal Practitioner. Year: May 2007, Volume : 60, Issue : 5, Page 297-300)
18. R. Parasnis, Gautam T. Rutuj K. Battered Baby Syndrome with Severe malrotation deformities of all long bones of lower extremities: A Case Report. Injury Extra, June 2006, Volume : 37, Issue:6, Page: 237-240
19. Shirish Shivanand Pathak Dr. Shirish Pathak, Dr. Rajeev Arora, Dr. Parag Sancheti: Results Of Treatment Of Neer's Four Part Fractures Of Proximal Humerus Using Different Modalities. Journal of Orthopaedics 2006;3(4)e9
20. Shete K, Sancheti P, Kamdar R. The role of Esmarch bandage and percutaneous cannulated cancellous screws in tibial condylar fracture. Indian J Orthop 2006;40:173-6

21. Parag Sancheti. Knee Osteoarthritis- Recent advances in its management. (For Maharashtra University of Health Sciences, Nashik,IndiaYear:2006, Volume:VIII, Chapter :3)
22. Parag Sancheti, Dr. W. Hadden, Dr. R. Abboud, Dr. L. Cochrane. Review of Cemented Metal Backed Acetabular Cups:Do they have a role?(Maharashtra Orthopaedic Assosiation (MOA)- Journal Year : May 2006
23. Parag Sancheti, Dr. Atul Patil. Acetabular Fractures A study of Operatively Treated 85 Cases (Maharashtra Orthopaedic Assoscation (MOA)- Journal Year: December 2005)
24. Satish Goyal, Dr. K. H. Sancheti, Dr. Kiran Shete. Polytrauma in Rural India.The Journal of Maharashtra Orthopaedic Assosiation. Year: March 2006, Volume: 3, Page: 129-133
- 25.Parasnis R, Talawadekar GD, Sancheti KH, Bhojraj S. Intraosseous disc prolapse: A diagnostic puzzle. Indian J Orthop 2006;40:168-72
26. Parag Sancheti. Complications of Fractures of Acetabulum. Indian Journal of Orthopaedics. 2002 Jan; 36(1): 36-7
- 27.Bone scinti-scanning in osteolytic lesions' in Journal - Clinical Nuclear Medicine, Jan 2004, 29(1): 12-20. By Dr Milind Modak, Dr S M Hardikar, Dr Parag Sancheti.
- 28.A.B. Thomas, Parag Sancheti. Factors affecting Range of motion in Total Knee Arthroplasty. Medical Journal of Western India - Vol.36 , Dec 2008.
- 29.Dr. Yogesh Panchwagh, Dr. Parag Sancheti. Bone Banking- A review article. Medical Journal of Western India-Vol – 36, Dec 2008.

LIST OF CHAPTERS IN TEXT BOOKS

01. Brown et al : Hip : Chapter 26: Limb length Discrepancy after Total Hip Arthroplasty: Avoidance and Treatment. Dr. Amar S. Ranawat, Dr. Parag Sancheti, Dr. Aditya Maheshwari

02. Fractures of Acetabulum
Dr. Parag Sancheti
(Textbook of Orthopaedics and Trauma
Volume : 4, Page:2961-2976)

03. Clinical examination of Knee
Dr. S. S. Mohanty, Dr. Parag Sancheti
(Textbook of Orthopaedics and Trauma
Volume:4, Pge:2961-2976)

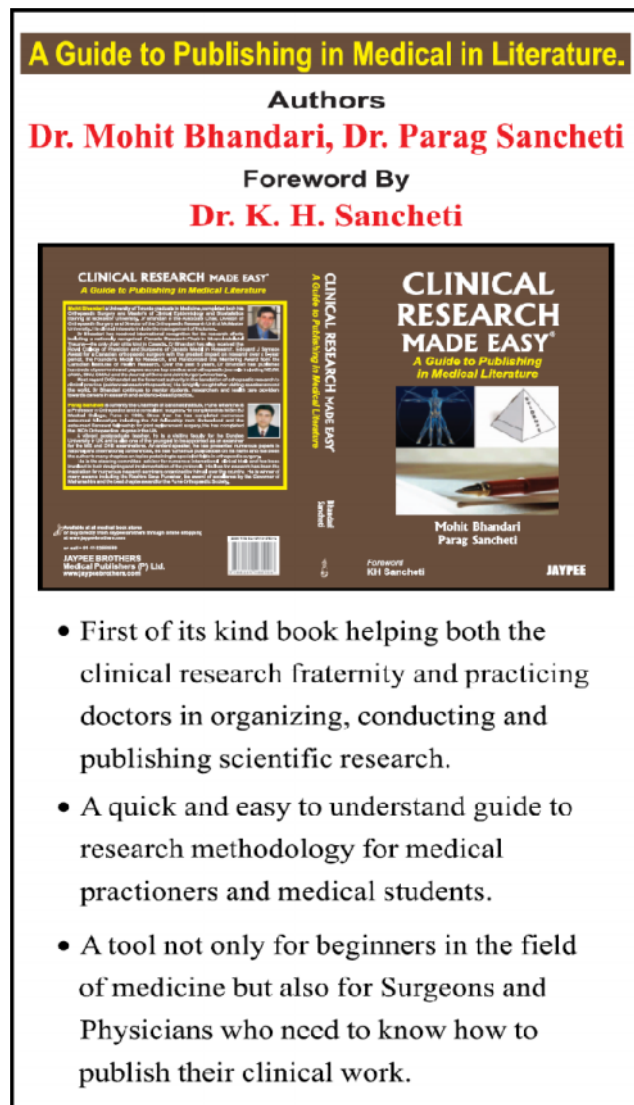
04. Long term results of Total Knee arthroplasty
Dr. Parag Sancheti
(Textbook of Orthopaedics and Trauma
Volume : 4, 2nd edition, Page:3802-3808)

05. Management of flail foot and ankle in poliomyelitis
Dr. K. H. Sancheti, Dr. Parag Sancheti
(Textbook of Orthopaedics and Trauma Volume :1,Sec 7)

06. Indian Knee: Total knee replacement Trends: Editor S. K. S. Marya:
Chapter 10 : Pages 90-101: Dr. Parag Sancheti , Dr. Surendra Patil

List of Books Published

1. Clinical Research Made Easy. Dr. Parag Sancheti, Dr. Mohit Bhandari.



Clinical Trials

International Trials

1. FLOW TRIAL – Fluid irrigation techniques in patients with open fracture wounds: A multi centere blinded randomized controlled trial (FLOW) in collaboration with McMaster University, Canada
2. CRASH 2 – A large randomized placebo controlled trial among trauma patients with , or at risk of significant haemorrhage- London school of health and tropical Hygiene
3. FAITH- A multicentric randomized trial comparing sliding hip screws and cancellous screws on revision surgery rates and quality of life in the treatmenr of femoral neck fractures in collaboration with Mcmaster University, Canada
4. WYETH – A multi centric randomized clinical trial studying the role of Bone mophogenetic protein in closed diaphyseal fractures of the tibia
5. Randomized controlled trial of pregabalin plus standard of care versus standard of care alone to evaluate efficacy and tolerability of pregabalin for management of patients undergoing primary Total Hip Arthroplasty : A0081229.
6. A prospective, stratified, single blinded, randomized, controlled, study of participant with open diaphyseal tibia fractures treated

with locked intramedullary nail fixation alone as standard of care and Osteogenic Bone Matrix (OBM).

7. Multicenter, randomized, double blind phase 3 clinical study for comparative evaluation of efficacy and safety of drug A to drug B, concomitantly administered with methotrexate in patients of active rheumatoid arthritis who have had an inadequate response to Disease Modifying Anti Rheumatic Drugs (DMARDs) including methotrexate.
8. Multicentric randomized double blind placebo controlled study of AMG 785 in skeletally mature adults with fresh diaphyseal tibial fractures following definitive fracture fixation with an intramedullary nail : AMGEN trial.
9. Phase 3 Multicenter, randomized, double blind, controlled study of long term analgesic efficacy and safety of tanezumab alone or in combination with Non Steroidal Anti Inflammatory Drugs (NSAID) versus NSAIDs alone in patients with osteoarthritis of the knee or hip.
10. Non randomized, prospective, non controlled study to evaluate the tolerability and effectiveness of a fixed dose combination of thicolchicoside and ketoprofen (Myoril Plus) in the management of painful muscular spasms in acute orthopaedic conditions.

Domestic trials

1. A multicentric, randomized, comparative clinical trial to evaluate the efficiency and safety of S- etodolac in the treatment of Osteoarthritis
2. Effect of Antarth plus in the treatment of patients with osteoarthritis
3. Prospective clinical study to evaluate the efficacy of “ INDUS KNEE” implant in the management of knee arthritis
4. TOLERANT STUDY- An open label, non randomized,prospective, non controlled study to evaluate the tolerability of a fixed dose combination of Thiocolchicoside and Ketoprofen in the treatment of acute low back pain.
5. A randomized two arm, open label comparative, multicentric clinical trial to evaluate efficacy and safety of a topical solution of diclofenac Diethylamine, methylsalicate and Menthol in comparison with diclofenac topical gel in OA patients
6. Multicentric road traffic injury surveillance Project: WHO ICMR Project May to September 2007

Scientific articles under Review by Journals

No	Title	Author	Journal
1	Medial defects in TKA- results of a novel press fit technique of bone grafting	Dr KH Sancheti	JBJS Br
2	Role of fibular plate and cast in distal tibia fractures	Dr C Pradhan	Journal of orthopedic trauma
3	Early functional outcome of extended curettage and reconstruction with bone grafting and/or cementing in giant cell tumors of bone	Dr Panchwagh	MJWI
4	Functional outcome of surgical fixation of posterolateral corner and cruciate ligament reconstruction.	Dr Atul Patil	MJWI
5	Reconstruction nailing in bifocal femoral fractures in the lateral position	Dr Chetan Pradhan	MJWI
6	Intertrochanteric fracture – post hemiarthroplasty femoral neuropathy – A case report	Dr Surendra patil	Journal of Orthopedic surgery and research
7	Juxtaphyseal intraosseous hemangioma of proximal femur	Dr Ashok Shyam	IJO
8	Vertebral rim fracture with acute paraparesis in adolescent – a case report	Dr Ketan Khurjekar	Journal of Orthopedic surgery and research

9	A comparative study k-wire and cast fixation versus ligamentotaxis in management of distal end comminuted fracture radius.	Dr Steve Rocha	Journal of Orthopaedics
10	Role of suction drain in TKR	Dr KH Sancheti	Journal of Arthroplasty
11	Prospective study of management of global brachial plexus palsies with 1 year follow up	Dr Bhatia Dr Ashok	IJO
12	LCP in non union long bones	Dr Chetan Pradhan	INJURY
13	Prospective study of clinical and functional outcome of arthroscopic reconstruction of combined posterolateral and cruciate ligament tears in traumatic knee injuries	Dr Parag Sancheti	The Journal of Orthopaedics, Traumatology and Rehabilitation
14	Hemiarthroplasty in complex fractures of the upper end of humerus	Dr AK Shyam	Journal of elbow and shoulder surgery
15	Comparative study between isolytic contraction and passive manual stretching to gain knee range of motion in acute phase after hip surgery.	Dr Shraddha	Journal of physiotherapy and practice
16	Role Of Physiotherapy In India	Dr Apurva Shimpi	Journal of Post graduate medicine
17	Comparative study of mulligan's vs.	Dr Abhijit	Indian Journal of

	Maitland's mobilization technique in adhesive capsulitis of shoulder joint		Physiotherapy and occupational therapy
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New publications under active review

Sr no	Title	Responsibility
1	Factors affecting range of motion following total knee arthroplasty	Dr Surendra Patil, Dr Vivek Vincent
2	Functional outcome of floating knee fractures	Dr. Atul Patil, Dr Nilesh Bhute
3	Partial hip replacement using SMP a new modular prosthesis	Dr. Rajeev Joshi, Dr Amol narkhede
4	Role of vertebroplasty in treatment of osteoporotic wedge compression fracture	Dr Ketan Khurjekar
5	Results of repair of rotator cuff tear in the elderly	Dr AK Shyam Dr Pankush Arora
6	Effect of tourniquets in tkr, a comparative study	Dr. Q Dhariwal, Dr Anubhav Jain
7	Non vascularised fibular graft for gap non union	Dr Patwardhan

	long bones in childrens	Dr AK Shyam
8	Prospective study of brachial plexus reconstruction	Dr Bhatia Dr AK Shyam
9	Mathematical model and finite element analysis of a new bone grafting technique in TKR	Dr AK Shyam
10	Posterior shoulder dislocation with humeral shaft fracture	Dr Chirag
11	Role of arthroscopic Bankarts repair in shoulder dislocation	Dr. Lovey
12	Comparative study of plating vs nailing in treatment of humerus shaft fracture	Dr Chirag
13	Role of the predictive value of dexa scan and metacarpal index in osteoporotic fractures around the hip	Dr Steve Rocha Dr. Omkar Sudame
14	Follow up study of cosmetic scoliosis curve and its correlation to cobb's angle	Dr Ketan Dr. Jitendra Nikumbh
15	Comparative analysis of MRI, clinical and intraoperative finding in a disc pathology.	Dr Ajay Kothari
16	Industrial orthopedic Injury – a case report and review of literature	Dr Steve Rocha
17	Clinico Radiological Assessment of Prevalence of Residual Distal Radioulnar Joint Disruption after Various Treatment Modalities	Dr Ashank
18	Ilizarov ring fixator for knee fusion post infected	Dr. Alok shah

	TKR	
19	Knee osteoarthritis in a case of ochronosis	Dr Chirag
20	Correlation study between heart rate and rating of perceived exertion	Dr Abhijit
21	Comparison between traditional exercises and Thai chi	Dr Shraddha

Studies undergoing Data Collection

Sr no	Research topics	Research co-ordinator	Investigator
1	Functional outcome of lateral condyle humerus fractures in children	Dr. Temburne	Dr Patwardhan
2	Functional and surgical outcome in revision THR	Dr. Nerulkar	Dr Joshi
3	Sequential lateral release in valgus knees in TKR	Dr. M Kade	Dr SP
4	A comparison between 6 fold and 4 fold graft in ACL reconstruction	Dr. Rahul Jaju	Dr. Atul patil
5	Functional outcome of proximal humerus fractures treated with conventional plate and LCP	Dr. Gugale	Dr Chetan Puram
6	A Prospective Cohort Study Of Femoral Non-Union For Analysis Of Etiological Factors And Success Of Different Treatment Modalities In Terms Of Radiological, Clinical And	Dr. Vivek Vincent	Dr Pradhan

	Functional Outcome		
7	Surgical and functional outcome of reconstruction of Acromio-Clavicular joint dislocations	Dr. Hardik Agrawat	Dr A. Patil
8	Assessment of the functional outcome between high flexed knee and standard knee prosthesis – a prospective study	Dr. Anubhav Jain	Dr SP
9	Factors affecting outcome in revision total hip replacement	Dr. Amol Narkhede	Dr R. Joshi
10	Comparative study of complex and non complex primary total knee replacement – clinical and functional outcome	Dr. Lovey Singhal	Dr QD
11	Study of clinical and functional outcome of surgical management of fractures around the knee joint	Dr.Nilesh Bhute	Dr C. Pradhan
12	Arthroscopic suprascapular nerve release- study of clinical and functional outcome	Dr. Amol Waghmare	Dr A Babhulkar
13	Prospective study of sensitivity and specificity of needle biopsies in soft tissue tumors	Dr. Pankush Arora	Dr. Panchwagh
14	Prospective study of clinical outcome of surgical reconstruction of anterior cruciate ligament with or without associated injuries	Dr. Rohit Kulkarni	Dr Parag Sancheti

	to the knee joint		
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New Studies Initiated by the Research Department

Sr No	Topic	Research
1	RCT for comparison between direct vertebral derotation and single rod derotation techniques for deformity correction in thoracic scoliosis	Dr. Ajit bhusgare
2	Lateral plating and medial screw fixation for bicolunar proximal tibia fractures	Dr. Deepak agrawal
3	DVT prophylaxis in Orthopaedic Surgery	Dr. Santosh pandhare
4	Correlation between pre operative and postoperative alignment on functional outcome of total knee replacement	Dr. Puneet maheshwari
5	Medial tibial bone defect in total knee replacement – comparative study with match paired controls	Dr Rohan bhiwgade
6	Open reduction and internal fixation in calcaneal fractures	Dr. Rohit jain
7	Hyperbaric oxygen in Orthopaedic Surgery	Dr. Kewal gangrade
8	Clinical and functional outcome of surgical management of spondylolisthesis.	Dr. Saurabh gupta
9	Growth modulation by using 8-plate	Dr Kunal Shah

Research Department

Camps Held

1. Gandhi Jayanti Free Medical Camp at the Sancheti Institute
Dr. Steve Rocha, Dr. Gaurav Pardeshi, Dr. Pankush Arora, Dr. Nikumbh
Dr. Mangesh Shende, Mr. Alfred Anthony
Free distribution of medicines done at the camp
Total patients seen : 153
2. Diwali free check up camp held at Khadki, Defence area
Dr. Steve Rocha, Dr. Shubhendu Das, Dr. Mangesh Shende, Mr. Alfred
Anthony
Total Patients seen: 554
Deserving patients given free consultation, physiotherapy and follow up at
Sancheti Hospital
3. Diwali free check up camp held at Khadki, Defence area



4. Free Medical Camp at the St. Ignatius church with free distribution of medicines and Milk powder to deserving children
Dr. Steve Rocha, Dr. Sundeep Deore, Dr. Mangesh Shende, Mr. Alfred Anthony
Total patients screened :332



Conferences Held

1. Fracture Fixation Course: 150 residents trained in fracture fixation course.
May,2009



2. Workshop on ethics and GCP and introduction to research methodology held at the Chest Research Foundation Pune, 15th November, 2009
Speakers: Dr. Sundeep Salvi, Dr. Steve Rocha, Dr. Bill Brashier, Major general Dr. Tilak
3. Evidence Based Medicine lecture held at the Aurora Towers
Speakers: Dr. Mohit Bhandari, Dr. Parag Sancheti, Dr. Steve Rocha, Dr. Sundeep Salvi,
Total Registrations: 108
Duration : One day workshop.



4. Advanced GCP workshop: Pfizer
Dr. Abhijeet Pednekar, Dr. Steve Rocha
Certificate Course held at the Sancheti Institute
Total Registrations : 56

5. Conference on Management of Osteoporosis at the Le Meridien Hotel
Dr. Parag Sancheti, Dr. Sol Epstein(U.S.A), Dr. Avery Basil Ince(Taiwan)
56 Consultant Orthopaedic Surgeons from Pune attended



Our Affiliations:

Research Certification of The Sancheti Institute – Aventis Pharma Team, November 2007



Visit by Regional Research Director (Asia) Pfizer Dr. Sutinder Bindra

(Hongkong)



Visit by Avery Basil Ince MD, Medical and Research Director, Merck , Taiwan

