



Dr. D. Y. PATIL VIDYAPEETH, PUNE
(Deemed to be University)

**Syllabus for
PG Surgical Specialties**

2014 - 15
(Amended / Revised upto July 2019)



Dr. D.Y. PATIL VIDYAPEETH, PUNE
(Deemed to be University)

(Re-accredited by NAAC with a CGPA of 3.62 on a four point scale at 'A' Grade)
(An ISO 9001 : 2015 Certified University)

Dr. A. N. Suryakar
Registrar

Ref. No. : DPU/875-vii/2019
Date : 11/09/2019

NOTIFICATION

Whereas in pursuance of the following decisions taken by the Board of Management, it is hereby notified to all concerned that the "Syllabus for PG Medical and Surgical Specialties – 2014-15" is revised upto July 2019 and hereby published.

- Changes in syllabus for UG and PG in General Medicine, Pulmonary Medicine and General Surgery vide Resolution No. BM-07-(iii)-4 dated 28th January, 2014.
- Updation in UG and PG syllabus of General Medicine, Obstetrics & Gynecology, Orthopedics, Anaesthesiology, ENT and Ophthalmology vide Resolution No. BM-04(i)-15, dated 31st March, 2015.
- Modifications in pattern of PG practical examinations for MD (General Medicine), MD (Pediatrics), MS (General Surgery), and MS (OBGY) vide Resolution No. BM-26(iv)-15, dated 29th December, 2015.
- Updation in PG syllabus in Radio-Diagnosis subject vide Resolution No. BM-26(vii)-15, dated 29th December, 2015.
- Introduction of Bioethical aspects in various chapters of all subjects vide Resolution No. BM-26(xi)-15, dated 29th December, 2015
- Partial Modifications in Pattern of PG Practical Examinations for MD (General Medicine) and MS (General Surgery) vide Resolution No. BM-17(vii)-16, dated 22nd September, 2016.
- Modifications in the syllabus of MD (Emergency Medicine) vide Resolution No. BM-35(iv)-18, dated 12th October, 2018.
- Changes in teaching and assessment of MS (Ophthalmology), vide Resolution No. BM-35(v)-18, dated 12th October, 2018.
- Changes in the practical examination pattern of M.S. (Orthopedics) vide Resolution No. BM-35(vi)-18, dated 12th October, 2018.
- Change in practical examination pattern of MD (Dermatology) vide Resolution No. BM-35(vii)-18, dated 12th October, 2018.
- Graduate Attributes, Programme Outcomes (POs), Course Outcomes (Cos) and gap analysis for all courses of UG and PG Programmes for Para-Clinical and Surgical Subjects vide Resolution No. BM-10(vii)-19 dated, 12th April, 2019.
- Interdisciplinary subjects (for Surgical Subjects) of M.B.B.S, M.D./M.S. and Super-specialty (D.M./M.Ch.) Programs under the Faculty of Medicine vide Resolution No. BM-10(viii) dated 12th April, 2019.
- Changes in syllabus of MD (General Medicine) and MD (Psychiatry) vide Resolution No. BM-27(iv)-19 dated 30th July, 2019.
- Modifications in MD (Respiratory Medicine) Practical examination pattern vide Resolution No. BM-27(vii)-19 dated 30th July, 2019.



Sant Tukaram Nagar, Pimpri, Pune - 411018, Maharashtra (India)
Tel. : +91-20-27805000, 27805001 • Fax : +91-20-27420010 • Email : info@dpu.edu.in



- Graduate Attributes, Programme Outcomes (POs), Course Outcomes (Cos) outcome analysis of Pos and Cos and mapping with objectives for all courses of UG and PG Programmes of Pre-Clinical and **Medicine Subjects** under the Faculty of Medicine vide **Resolution No. BM-27(x)-19 dated 30th July, 2019.**
- Interdisciplinary subjects (**for Medicine Subjects**) of M.B.B.S, M.D./M.S. and Super-specialty (D.M./M.Ch.) Programs under the Faculty of Medicine vide **Resolution No. BM-27(xi) dated 30th July, 2019.**

The **Syllabus for PG Medical and Surgical Specialties – 2014-15** is Revised upto July 2019 will be useful to all the concerned. This will come into force with immediate effect.



(Dr. A. N. Suryakar)
Registrar

Copy to:

1. PS to Chancellor for kind information of Hon'ble Chancellor, Dr. D. Y. Patil Vidyapeeth, Pune.
2. PS to Vice Chancellor for kind information of Hon'ble Vice Chancellor, Dr. D. Y. Patil Vidyapeeth, Pune.
3. The Dean, Dr. D. Y. Patil Medical College Hospital & Research Centre, Pimpri, Pune
4. The Controller of Examinations, Dr. D. Y. Patil Vidyapeeth, Pune.
5. Director (IQAC), Dr. D. Y. Patil Vidyapeeth, Pune.
6. Web Master for uploading on Website.

**MAPPING OF PROGRAMME OUTCOMES [POs] AND COURSE
OUTCOMES [COs] OF PG PROGRAMMES**

MS (SURGERY) PROGRAMME OUTCOMES

Sr. No	By the end of the programme, the Medical Postgraduate Will have
PO 1	Knowledge and Skills
PO 2	Planning and problem solving abilities
PO 3	Communication
PO 4	Research Aptitude
PO 5	Professionalism and Ethics
PO 6	Leadership
PO 7	Societal Responsibilities
PO 8	Environment and Sustainability
PO 9	Lifelong Learner

SURGERY COURSE OUTCOME – PG
SUBJECT CODE –PGS01

Sr.No	By the end the Course, the student will be able to
1	Recognize the importance to the concerned surgery in the context of the health needs of the community and the national priorities in the health section.
2	Practice the surgery concerned ethically and in step with the principles of primary health care.
3	Demonstrate sufficient understanding of the basic sciences relevant to the surgery specialty.
4	Identify social, economic, environmental, biological and emotional determinants of health in a given case, and take them into account while planning therapeutic, rehabilitative, preventive and primitive measure/strategies.
5	Diagnose and manage majority of the conditions in the surgery concerned on the basis of clinical assessment, and appropriately selected and conducted investigations.
6	Plan and advise measures for the prevention and rehabilitation of patients suffering from disease and disability related to the surgery specialty.
7	Demonstrate skills in documentation of individual case details as well as morbidity and mortality rate relevant to the assigned situation.
8	Demonstrate empathy and humane approach towards patients and their families and exhibit interpersonal behavior in accordance with the societal norms and expectations.
9	Play the assigned role in the implementation of national health programme, effectively and responsibly.
10	Organize and supervise the chosen/assigned health care services demonstrating adequate managerial skills in the clinic/hospital or the field situation
11	Develop skills as a self-directed learner, recognize continuing education needs; select and use appropriate learning resources
12	Demonstrate competence in basic concepts of research methodology and epidemiology and be able to critically analyze relevant published research literature.
13	Develop skills in using educational methods and techniques as applicable to the teaching of medical/nursing students, general physicians and paramedical health workers.
14	Function as an effective leader of a health team engaged in health care, research or training.

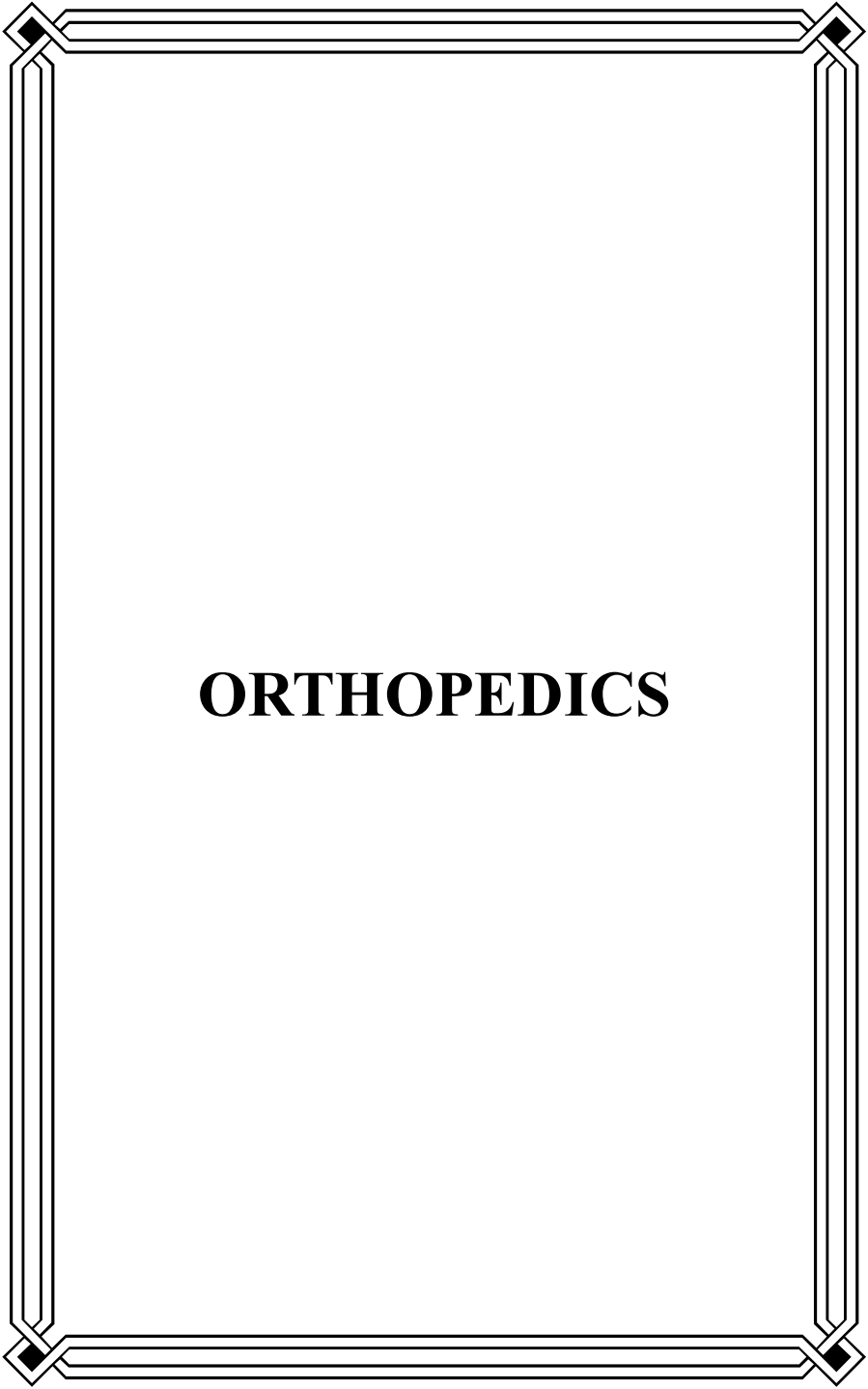
MS ORTHOPAEDICS PROGRAMME

Course Code	Course Title
PGSO4	MS Orthopaedics

Course 1 (Subject Code)

CO No.	At the end of the course, the learner should be able to:	Mapped Programme Outcomes
PGSO4.1	Recognize the importance of clinical Orthopaedics in the context of the health needs of the community and the national priorities in the health section.	PO1,PO2,PO3, PO4, PO5, PO6, PO7, PO8,PO9
PGSO4.2	Practice clinical Orthopaedics ethically and in step with the principles. History taking & clinical examination of patients attending orthopaedics OPD & admitted in wards.	PO1,PO2,PO3, PO4, PO5, PO6, PO7, PO8,PO9
PGSO4.3	Demonstrate sufficient understanding of the basic sciences relevant to clinical Orthopaedics Approach to assess orthopedic cases History of orthopedics, Introduction of orthopedics , basic orthopaedic care	PO1,PO2,PO3, PO4, PO5, PO6, PO7, PO8,PO9
PGSO4.4	Diagnose and manage majority of the conditions in clinical Orthopaedics on the basis of clinical assessment, and appropriately selected and conducted investigations including prevention	PO1, PO2,PO3, PO4, PO5, PO6, PO7, PO8,PO9
PGSO4.5	Demonstrate skills in Dressing, debridement & suturing of wounds.	PO1,PO2,PO3, PO4, PO5, PO6, PO7, PO8,PO9
PGSO4.6	Demonstrate empathy and humane approach towards patients and their families and exhibit interpersonal behaviour in accordance with the societal norms and expectations	PO1,PO2,PO3, PO4, PO5, PO6, PO7, PO8,PO9
PGSO4.7	Demonstrate skill in Application of various traction (skin/skeletal) Basic Plaster technique & removal of plaster cast.	PO1, PO2,PO3, PO4, PO5, PO6, PO7, PO8,PO9

CO No.	At the end of the course, the learner should be able to:	Mapped Programme Outcomes
PGSO4.8	Develop skills in treatment of spine, hip replacement surgery & deformity correction etc.	PO1,PO2,PO3, PO4, PO5, PO6, PO7,PO8,PO9
PGSO4.9	Demonstrate competence in basic concepts of research methodology and epidemiology and be able to critically analyze relevant published research literature in clinical orthopaedics .	PO1,PO2,PO3, PO4, PO5, PO6, PO7,PO8,PO9
PGSO4.10	Develop skills in Trauma: Open Reduction & fracture fixation of upper extremity. Trauma :principles of Open Reduction & internal fixation of lower extremity	PO1,PO2,PO3, PO4, PO5, PO6, PO7,PO8,PO9
PGSO4.11	Function as an effective leader of a health team engaged in Management of crush injury & compound fracture and emergency management of orthopedic cases	PO1,PO2,PO3, PO4, PO5, PO6, PO7,PO8,PO9



ORTHOPEDICS

ORTHOPEDICS

1: SYLLABUS OF POST GRADUATE DEGREE COURSE IN THE SUBJECT OF ORTHOPEDICS

1.1: GOALS:-

A candidate upon successfully qualifying in the M.S. Orthopedics / diploma orthopedics examinations should be able to -

1. Diagnose the diseases and injuries of musculo skeletal system
2. Take proper history and perform thorough clinical examination
3. Plan and interpret investigations and institute the management in disease and injuries of musculo-skeletal system.
4. Perform emergency operative procedures
5. Plan post-operative rehabilitation and physiotherapy for patients.
6. To do research and publication work in orthopedics

1.2: OBJECTIVES :-

M. S. ORTHOPEDICS

1ST TERM

1. History taking & clinical examination of patients attending orthopedics OPD & admitted in wards.
2. Plaster technique & removal of plaster cast.
3. Operation theatre discipline.

2nd TERM

1. Dressing, debridement & suturing of wounds.
2. Intra-articular injection techniques.

3rd TERM

1. Application of various traction (skin/skeletal)
2. Management of crush injury & compound fracture. (Primary Care)

4th TERM

1. Closed Reduction & K-wire fixation of fractures.

5th TERM

1. Open Reduction & fracture fixation of upper extremity.

6th TERM

1. Open Reduction & internal fixation of lower extremity.
2. Assisting senior faculty for spine, hip replacement surgery & deformity correction.

1.3: INTERGRATION OF TEACHING

POST-GRADUATE TEACHING

1. Journal Club
2. Problem Based Learning
3. Case Presentation
4. Microteaching
5. Seminar
6. Skill Lab

2: TRAINING SCHEDULE:-

The residents are working full time in the department of Orthopedic. Their responsibilities are to take care of the patients in the wards, attend clinics and operation theatre. They are actively involved in the academic and research activities of the department.

During first year the residents are posted in orthopedics wards and in emergency. Under the supervision of his senior colleagues, he will attend emergency and will take care of the patients in the ward. He will be given a thesis topic and will start with his thesis work. At the end of first year he should be able to do History taking & clinical examination of patients attending orthopedics OPD & admitted in wards, Plaster technique & removal of plaster cast, Operation theatre discipline, Dressing, debridement & suturing of wounds, Intra-articular injection techniques.

During second year the residents are rotated for two weeks in surgical Intensive Care Unit, surgery, physiotherapy and radiology. At the end of second year he should be able to do Application of various traction (skin/skeletal), Management of crush injury & compound fracture (Primary Care), Closed Reduction & K-wire fixation of fractures.

During third year the residents are responsible to take care of patients in the wards, attend clinic, attend emergency in casualty. At the end of third year he should be able to do Open Reduction & fracture fixation of upper extremity, Open Reduction & internal fixation of lower extremity, Assisting senior faculty for spine, hip replacement surgery & deformity correction.

3: METHODS OF TRAINING :-

1. Lectures
2. Bed Side Clinics
3. OPD Clinics
4. Journal Club
5. Symposia/ Seminar
6. Problem Based Learning
7. Microteaching
8. Case Presentation
9. CME programme- Local, State, National level
10. Worksho- Local, State, National level
11. Standard Textbooks
12. Thesis for M.S.Course
13. Guest Lectures
14. Ward Rounds
15. Operation Theatre
16. Rehabilitation And Physiotherapy
17. Orthosis And Prosthetics
18. Log Book
19. Skill Lab

4: DETAILS OF SYLLABUS :

1. Metabolic Bone Disease
2. Bone Infection-Pyogenic,Tubercular and Mycotic
 1. Arthritis
 2. Tubercular
 3. Non-Tubercular
4. Congential Deformities
5. Development Conditions.
6. Diseases of Joints and Surgical Treatments
7. Orthopedics Neurology
8. Poliomyelitis,Cerebral Palsy
9. Nerve Injuries(Traumatic and Non-Traumatic
10. Spina Bifida and Related Disorders
11. Tumors of Bone-including Secondary Tumours of Bone
12. Diseases of Muscles
13. Fibrous Diseases
14. Unclassified Diseases of Bone
15. Pager's Diseases
16. Tumors of Bone-including Secondary Tumors of Bone
17. Diseases of Muscles
18. Fibrous Diseases
19. Unclassified Diseases of Bone
20. Paget's Diseases
21. Tumours of Haemopoietic Tissue
22. Histocytic Lymphoma
23. Tumours invading Bone from overlying structures.
24. Peripheral vascular diseases
25. Bleeding Disorders and Orthopedics Manifestation,
Hemoglobinoathies and Its Orthopedics
26. Manifestations, Hemoglobinopathies and Its Orthopedics
Manifestations
29. Regional Orthopedic Condition of Adults and Children.

30. Spine
31. Cervicobrachial Region
32. The shoulder
33. The Elbow
34. The Hand
35. The Wrist
36. The Hip
37. The Knee
38. The foot and the Ankle
39. The Pelvis
40. Skin Grafting & Flaps
41. Trauma:
42. Limb Length Inequality & Its Management
43. Microsurgical Techniques in Orthopedics
44. Spinal Cord Prosthetics
45. AIDS Related Orthopedics Conditions
46. Theatre Techniques and Sterilization
47. Disaster Relief
48. Advances Trauma life Support
49. Fractures:
50. Definitions, Types, Grades, Patterns, Complications.
51. Pathology of Fractures and Fracture Healing
52. Clinical & Radiological Features of Fractures & Dislocations
53. General Principles of Fracture Treatment
54. Fractures of Lower Extremity
55. Fractures of Upper Extremity & Shoulder Girdle
56. Fracture & Dislocation in Children
57. Malunited Fractures
58. Delayed Union & Non Union of Fractures
59. Fractures, Dislocation & Fractures Dislocations of Spine
60. Dislocation & Subluxation

61. Acute Dislocation
62. Old Unreduced Dislocations
63. Recurrent Dislocation
64. Traumatic Disorders of Joints:
65. Ankle Injures
66. Knee Injures
67. Shoulder & Elbow Injures
68. Wrist and Hand Injuries
69. Arthrodesis:
70. Arthrodesis of Lower Extremity & Hip
71. Arthrodesis of Upper Extremity
72. Arthrodesis of Spine
73. Bone Grafts & Bone Substitute (Bone Banking)
74. Arthroplasty :
75. Biomechanics of Joints and Joint Replacement
76. Hip
77. Knee
78. Ankle
79. Shoulder
80. Elbow
81. Arthroscopy
82. General principles of Arthroscopy of Knee & Ankle
83. Arthroscopy of Shoulder and Elbow
84. Amputations and Disarticulation:

5: Title of The Theory Papers With Contents (-----)

M. S. ORTHOPEDICS

Paper- I :- Basic & Applied Sciences As related to Orthopedics 100 Marks

Paper- II:- Orthopedics Traumatology & Diseases including operative surgery 100 Marks

Paper - III:- General surgery related to orthopedics & Rehabilitation 100 Marks

Paper-IV:- Recent advances & Journals 100 Marks

Total Marks - 400

(Question should be self-explanatory & exhaustive)

5.5 PATTERN OF THEORY PAPERS: - for ()

5.1: Paper – I to IV

M.S. Orthopedics

(a) Section 1:- 2x25 = 50

(b) Section 2:- 5x10 = 50

Total 400

Total marks for theory for **M.S. Orthopedics** are 400

6. PRACTICAL :

M.S ORTHOPEDICS -

1. One long Case: History taking, clinical examination, differential diagnosis, investigation, management, physiotherapy and rehabilitation-150 Marks
2. 3 Short cases: silent features of history taking and clinical examination, differential diagnosis, investigation, treatment- 50 + 50 + 50 = 150 Marks
3. Viva-voce Examination- 25+25+25+25=100 Marks
 - Radiology
 - Surgical Pathology
 - Instruments and operative surgery
 - Rehabilitation aids.

7: LOGBOOK:-

ANNEXURE

THESIS/DISSERTATION:-

❖ DISSERTATIONS COMPLETED :

Sr. No.	Title of the study	Name of the PG student	Name of PG guide	Year of Completion
1	Comparative Study between Dynamic Hip screw & proxime femoral nail in Management of extracapsular fracture neck of femur	Dr Thakkar Yogeshkumar Ratilal	Dr. Suhas Kamble	2009
2	Role of Tension band wiring in treatment of fracture of patella medical malleous & olecranon	Dr Tanveer Singh Bhutani	Dr. Suhas Kamble	2010
3	Comparative study of different modalities of treatment in supracondular fractureof humerus in children	Dr Parag S Nahata	Dr. (Col) S.K. Biswas	2010
4	Co. Relation between clinical MRI & Arthroscopic finding in meniscal tear A Study of Cases.	Dr Harshita Parag Mehta	Dr. S R Puri	2010
5	Role of suprascapular nerve block in chronic shoulder pain A comparative study of 90 cases.	Dr Dhyan Patel	Dr. Anil Salgia	2011
6	Management of Proximal Tibia fracture by mini External fixation A prospective study of 30 cases.	Dr Kilaru Praful	Dr. S R Puri	2011
7	Treatment of osteonecrosis of femoral head in young patient by surface replacement of femoral head- A prospective study of 30 cases.	Dr M. Mahendra Kumar Reddy	Dr. Amit Swamy	2011

Sr. No.	Title of the study	Name of the PG student	Name of PG guide	Year of Completion
8	Evaluation of synovial Fluid & synovial Biopsy in joint diseases A prospective study of 50 cases.	Dr Ganesh Kumar Reddy M.	Dr. S K Biswas	2011
9	A prospective study of dynamic treatment of fracture phalanx & metacarpals of the hand with k/l wire fixation/external fixator & fingers splints as a day care management a Study of 60 cases.	Dr Shalin K Maheshwari	Dr. Suhas Kamble	2011
10	A Comparative study of management of fracture shaft of humerus by Dynamic compression plate & interlock nailing	Dr Ashish Kohli	Dr. S R Puri	2012
11	Comparative study between different MODALI-Ties of posterior stabilization of lumbar spine (Moss-Miami pedicle screw system and Harts hill) Rectangle for lumbar spondylolisthesis	Dr Jasoliya Vikramkumar Tulshibhai	Dr. Ajit Swamy	2012
12	A Comparaqtive study between the surgical & conservative management of fracture lateral 1/3 RD of clavicle	Dr Faisal Qureshi	Dr. Anil Salgia	2012
13	Correlation between clinical Radiological and Arthroscopic findings in Anterior and Posterior shoulder Instability	Dr Vontela Arun	Dr. Amit Swamy	2012

Sr. No.	Title of the study	Name of the PG student	Name of PG guide	Year of Completion
14	Hamstring Autograft versus Bone patella Tendon Bone Autograft for Reconstrucation of Anterior cruclate ligament- A Comparative study of 30 cases.	Dr Ramprasad Rallapalli	Dr. Sanjay Deo	2012
15	Present day management of fracture shaft femur with Intramedullary nailing	Dr Abhimanyu Virmani	Dr. (Col) S K Biswas	2012
16	Management of Diaphyseal fracture of long bone in children with intramedullary flexible nailing	Dr Gaurav Sachdev	Dr. Suhas Kamble	2012
17	Comapartive Study of Management of Grossly Communitied & Displaced Radius fracture treated by Ligamentotaxis with External fixation versus closed reducation with K-Wire Fixation with Casting. A prospective study of 30 cases	Dr Rahul Mehta	Dr. (Col) S K Biswas	2013
18	Comparative Study Between Lateral External Fixation & Internal Fixation With K-Wire For The Treatment In Supracondylar Fracture of Humerus In Children. (30 Cases)	Dr Sahil Sanghi	Dr S R Puri	2013
19	Study of Management of Intratrochanter Fracture of Neck Femur With Dynamic Compression Hip Screw (30 Cases)	Dr. Ranat Vishnoi	Dr. S. Joshi	2013

Sr. No.	Title of the study	Name of the PG student	Name of PG guide	Year of Completion
20	Management Protocol And Evaluation of Results for Compound Fracture Tibia.(30 Cases)	Dr. Furqan Mir	Dr. S. Limaye	2013
21	Surgical Management of Acromioclavicular Joint Dislocation.	Dr. Faiyaz Khan	Dr. A. Salgia	2013
22	Comparative Study of Surgical Modalities of Tibial Plateau Fractures. A Prospective And Retrospective Case Study of 30 Cases.	Dr.Ashwin Deshmukh	Dr. Sanjay Deo	2013
23	A Comparative Study of Locking Plate Osteosynthesis And Retrograde Interlocking Nailing In The Management of Distal Femur Fractures. Retrospective And Prospective Study of Twenty Cases.	Dr. Raviraj Shinde	Dr. Suhas Kamble	2013
24	Comparative Evaluation of Operative And Conservative Management of Fracture Calcaneum- A Retrospective & Prospective Study of 40 Cases.	Dr.Pramod Chikhalikar	Dr. Anil Salgia	2014
25	Comparative Evaluation In The Measurement of Radial Height, Radial Inclination And Ulnar Variance In Fracture Distal End Radius Treated Conservatively In P.O.P Cast & By Radio – Ulnar K – Wire & Cast	Dr. Rajani Deep	Dr. Shrirang Limaye	2014

Sr. No.	Title of the study	Name of the PG student	Name of PG guide	Year of Completion
	Technique.Prospective Study 30 Cases.			
26	Comparative Study Between Cemented Hemi-Arthroplasty & Proximal Femoral nail in proximal femur fracturein Elderly Patients. A prospective study of 30 cases.	Dr.Harshit Mehta.	Dr. Anil Salgia	2014
27	Study of Treatment Modality of Malleoli # S A Prospective Study of 80 Cases	Dr.Yuvraj Arora.	Dr. S. R. Puri	2014
28	Study of Management of Sub-Trochanteric Fracture Femur With Pfn (Proximal Femoral Nail) A Prospective Study of 30 Cases	Dr.Sandeep Sharma.	Dr. Ajit Swamy	2014
29	Study of Different Modalities of Surgical Treatment of Diaphyseal Fractures of Forearm In Adults. A Prospective study of 45 Patients	Dr. Sandeep C.	Dr. Sanjay Deo	2014
30	Management of fracture of long Bone of Lower Extermity with Minimally Invasive Plate Osteosynthesis (MIPO) : Biological Plating: A Prospective Study of 30 Cases.	Dr Abhishek Sachdev	Dr.Suhas Kamble	2014
31	Corellation Between MRI And Arthroscopy In IDK	Dr.Prashant Gholap. DrAbhijeetPatil (Co-Guide)	Dr. Shree rang Joshi Dr Abhijeet Patil (Co-Guide)	2015

Sr. No.	Title of the study	Name of the PG student	Name of PG guide	Year of Completion
32	Study of Role of Prosthetic Replacement For Comminuted Fracture of Head And Neck of Radius	Dr.Mithu Sookundun.	Dr. Anil Salgia	2015
33	Management of CTEV By Ponsetti Technique	Dr.Rohit Malhotra.	Dr. Sanjay Deo	2015
34	Comparative Study of Management of Proximal Humerus Fractures In Elderly- Conservative Vs Operative With Compression Plating	Dr.Utkarsha Joshi.	Dr. Rahul Bagul	2015
35	Clinical And Radiological Evaluation of Multiple Ligament Injury of Knee.	Dr. Hitesh Joshi.	Dr. Suhas Kamble	2015
36	Study of Acromioplasty For Shoulder Impingement Syndrome.	Dr.Ashutosh Mohapatra	Dr. Ajit Swamy	2015
37	Management of stage I and II idiopathic avascular necrosis of hip with core decompression, autologous cancellous bone grafting and platelet rich plasma.	Dr. Pranav Patel.	Dr. Tushar Agarwal	2015
38	The Comparison of the effect of Corticosteroids and Platelet-Rich Plasma (PRP) for the Treatment of Plantar Fasciitis.	Dr.Tarun Kukreja.	Dr. Anil Salgia	2016
39	Prospective study of comminuted fracture patella treated with TBW. A study of 30 cases.	Dr.Vikram Kakatkar.	Dr. Anil Salgia	2016
40	A study of Fracture Neck Femur Treated with Cemented Bipolar	Dr. Vishal Mandlewala.	Dr. S. R. Puri	2016

Sr. No.	Title of the study	Name of the PG student	Name of PG guide	Year of Completion
	Prosthesis Vs Austin Moore Prosthesis in Elderly.			
41	Correlation of Clinical Finding and MRI finding with Intraop finding in Lumbar PIVD.	Dr. Ashuosh Singh.	Dr. S. R. Puri	2016
42	Arthroscopic evaluation and treatment of Meniscal Injuries.	Dr. Yuvraj Singh Hira.	Dr. Sanjay Deo	2016
43	Results of Arthroplasty in Intertrochantric fracture femur in elderly osteoporotic patients.	Dr. Nilesh Kalwar.	Dr. Ajit Swamy	2016
44	Results of Decompressive Laminectomy in Lumbar Canal Stenosis.	Dr. Kavaljit Singh Parmar.	Dr. Ajit Swamy	2016
45	A Comparative study of management of fracture shaft of humerus by dynamic compression plate and interlock nailing	Dr. Ankit Rai	Dr. Anil Salgia	2017
46	Operative treatment of Clavicle midshaft fractures by locking plate	Dr. Himanshu Bhugra	Dr. Tushar Agarwal	2017
47	Prospective study of 30 cases of calcaneum fracture treated with plating in adults	Dr. Amit Chaudhary	Dr. Prafull Herode	2017
48	Comparative Evaluation in the Measurement of the Radial Height, Radial Inclination And Ulnar Variance In Colle's Fracture Treated Conservatively By Close Reduction And Cast And By Closed Reduction K-Wire And Cast Technique	Dr. Krishan Yadav	Dr. Rahul Bagul	2017

Sr. No.	Title of the study	Name of the PG student	Name of PG guide	Year of Completion
49	Prospective study of 30 cases of intracapsular fracture neck of femur treated with bipolar hemiarthroplasty in elderly	Dr. Jay Patel	Dr Sanjay Deo	2017
50	Functional Outcome of Disectomy For Lumbar Disc Prolapse- A Comparative study of 30 cases.	Dr Kartikeya Sharma	Dr Ajit Swamy	2017
51	Comparative Study of Treatment Modalities of Inter Trochantric Fracture In Adults By Dynamic Hip Screw And Proximal Femoral Nail - 30 Cases	Dr Aniruddha Kshirsagar	Dr Ajit Swamy	2017
52	A Study of Management of non-physeal forearm fractures in children and adolescents	Dr Sumeet Kumar	Dr.Abhijeet Shroff	2018
53	A study about complete chronic tendo Achilles rupture and different modalities of its repair	Dr..Anant Krishna	Dr Sanjay Deo	2018
54	Surgical managements of fracture shaft femur in children and adolescent with titanium elastic nailing system(tens)	Dr Shivaprasad Sangam	Dr Rahul Bagul	2018
55	Locking plate fixation of fractures of distal end of femur	Dr. Shashank Pal	Dr Ajit Swamy	2018
56	Comparision of various modalities of treatment of tibial plateau fractures	Dr Jeegar Patel	Dr Prafulla Herode	2018
57	Study of surgical management of distal femur fracture using locking compression plate	Dr Kumar Saurav	Dr Tushar Agarwal	2018

❖ DISSERTATIONS ONGOING

Sr. No.	Title of the study	Name of the PG student	Name of PG guide	Year of commencement
1	Randomized Double Blind study of P-PRP (Pure-Platelet Rich Plasma) v/s hyaluronic acid injection in treatment of Osteoarthritis of Knee in 60 cases.	Dr.Vikas Sing Rawat	Dr.Rahul Salunkhe	2019
2	Outcome of Chondral and Osteochondral Lesions In Patello-Femoral Instability	Dr. Sumedh Magar	Dr.Sanjay Deo	2019
3	Management of malunited supracondylar Fracture with cubitus varus deformity By lateral closing wedge osteotomy	Dr.Pramod Parbhane	Dr Rahul Bagul	2019
4	Comparative evaluation of results after internal fixation of fracture clavicle by tens/plate	Dr. Ambar kakane	Dr Ajit Swamy	2019
5	MRI Co-Relation of Tennis Elbow Patients Treated With Platelet Rich Plasma(PRP)	Dr. Nitin Wadhwa	Dr Mukesh Phalak	2019
6	Role of high tibial osteotomy in osteoarthritis of knee	Dr. Rohit Raj	Dr Prafulla Herode	2019
7	“Comparative Study Between Tension Band Wiring And Plating For Lateral Clavicle Fracture”.	Dr. Ankur Kumar	Dr Tushar Agarwal	2019
8	Determination of bone mass & hip axis length of contralateral side patients with hip fractures.	Dr. Shubhanshu Gupta	Dr. Sanjay Deo	2020

Sr. No.	Title of the study	Name of the PG student	Name of PG guide	Year of commencement
9	A study of functional & radiological outcome of undisplaced scaphoid fractures treated with percutaneous Herbert screw fixation.	Dr. Amol Patil	Dr. Rahul Bagul	2020
10	Comparative study of local corticosteroid injection & therapeutic ultrasound with exercise for quicker functional improvement in tennis elbow.	Dr. Clevio Desouza	Dr. Prafulla Herode	2020
11	Evaluation of proximal tibia intraarticular fractures according to three column principle & its management.	Dr. Anirudh Kandari	Dr. Rahul Salunkhe	2020
12	Randomised case control study to compare hamstring graft healing time in anterior cruciate ligament reconstruction using different augmentation method.	Dr. Girish Nathani	Dr. D S Bhamare	2020
13	Comparison of Tlif and Plif in Degenerative Spondylosis And Disc Disease.	Dr. Harsh kumar	Dr. Ajit swamy	2020
14	Arthroscopic Anterior Cruciate Ligament Reconstruction With Semitendinous Graft VS Longus Peroneus Tendon Graft.	Dr. Manoj Kumar	Dr. Tushar Agarwal	2020