

**KRISHNA INSTITUTE OF MEDICAL SCIENCES
“DEEMED TO BE UNIVERSITY”, KARAD**

Diploma in Orthopedic Assistants

(Program Code- 1806) (Course Code- 1806-11)

➤ **Title of the course :Curriculum in Orthopaedics Assistant Courses**

- a) **Plaster**
- b) **C- Arm**
- c) **X-ray Use**
- d) **OT Preparation**
- e) **Physiotherapy**
- f) **Dressing techniques**

➤ **Preamble :**

Orthopaedics is a surgical specialty which requires skilled assistance when it come to performing procedures like applying a plaster or pre-operative preparation in the operation theatre. Quality of treatment can be improved with skilled assistance by reducing both time and efforts required by the surgeon for the patient. Thus by learning and developing Orthopaedics skills, an assistant will help yield better treatment.

➤ **Objectives :**

1. To develop basic understanding about fractures, splints, slabs and casts.
2. To develop various plaster applying techniques for various fractures.
3. To develop understanding and use of C- Arm in Operation Theater.
4. To understand basics of X-rays, its views and positioning.
5. To learn preparation in the operating room prior to surgery.
6. To understand importance of physiotherapy and help patients to deal with it.
7. To understand sterile dressing techniques and perform them.

➤ **Duration : One Year (12 Months)**

➤ **Annual intake :Two Fellow**

➤ **Eligibility :12th Pass (Sciences, Commerce, Arts)**

➤ **Fee : As per University policy**

➤ **Selection method : Entrance Examination conducted by the University**

➤ **Contributing departments : Department of Orthopaedics**

➤ **Medium of instruction : English , Marathi**

➤ **Attendance:**80 % attendance is a must for eligibility.

➤ **Syllabus / course content (semester wise) :**

- Candidate will be taught about various plaster applying Technique for various type of fracture like A/E or B/E slab or cast.
- Candidate is taught about various type of X-ray's in views & position of the limb during a particular X-ray.
- Candidates will be posted alternate days in the operation theater. Where candidate is expected to learn preparation in OT, prior to Surgery, and also use of C-arm during the surgery.
- Candidate is expected to learn about basics of physiotherapy and help the patients with it.
- Also candidate will be posted in OPD and Ward where, will be they taught sterile dressing techniques for various wounds including compound wound and operative wounds and expected to perform them under supervision of a doctor.

➤ **Teaching – learning method :**

- Candidate will be posted in OPD and OT alternatively, and Learn about OPD and Causality related procedures during OPD day and OT & Ward related procedures like pre-op preparation and C-Arm during OT. Days.
- Also, Candidate will be posted in X-ray department for 2 (Two) hour during OPD days to learn about X-ray Technique & Positioning.
- During OPD, candidate will be posted in plaster room, where they will learn about plaster techniques.
- On alternate OPDs' candidate will be sent to physiotherapy department to learn about various techniques of physiotherapy.

➤ **Assessment pattern:**

- At the end of one year of completion of course, candidate will be assessed for his Practical skill in all areas of learning including plaster, X-ray, C- Arm, Physiotherapy, Dressing & OT.Preparation.

➤ **Text books :**

1. Strategic Radiographic Positioning
2. Handbook of Splinting and Casting
3. Handbook of Traction, Casting and Splinting Techniques

➤ **Reference books :**

1. Orthopaedic Nursing (Safe Patient Handling in Orthopaedic Nursing
2. Strategic Radiographic Positioning for Orthopaedians and Radiologists
3. Orthopaedic Immobilization Techniques

➤ **Additional reading :**