Newer Teaching Methods

As a part of the new Competency Based Undergraduate Curriculum training, the institution adopts various newer teaching - learning methods or modified older teaching - learning methods, that are learner-centric, interactive and are rooted in experiential learning.

A. Procedural Skills

Indian Medical Graduate is expected to be competent in performing a set of procedural skills at the end of the program.

Process of attaining competency:

In all the sub-competencies identified as belonging to the skill domain or for those procedural skills that need to be certified at the end of the internship, a student has to pass through these necessary steps of training:

a. Understand the basic anatomy, physiology and other basic sciences required to perform the procedure.
b. Observe the procedure demonstrated through a video or as an actual process performed by a trained faculty.
c. Practice the procedure in skill / simulation lab whenever possible.
d. Demonstrate the procedure in skill / simulation lab wherever possible.
e. Assist the trainer in performing the procedure on the patients (during internship).
f. Perform specified procedures independently on the patients under supervision (during internship).

When does the student visit the Skill / Simulation Lab?

Beginning from Phase II, the students shall have an allotted session in the skills and simulation lab at lease once a week.

- **During the Phase II, at least 3 hours of clinical instruction each week shall be allotted to training in clinical and procedural skill laboratories, as the clinical postings are for 5 days a week.**
- During the Phase III Part I & Phase III Part II, the students shall visit the skill lab, during the clinical posting in a specific subject.
- During Internship, the interns shall visit the Skills Lab in the available permitted free time.

List of Certifiable Procedural Skills for an Indian Medical Graduate

Specialty	Procedure
General Medicine	• Venipuncture (I) • Intramuscular injection(I) • Intra-dermal injection (D) • Subcutaneous injection(I) • Intra Venous (IV) injection (I) • Setting up IV infusion and calculating drip rate (I) • Blood transfusion (O) • Urinary catheterisation (D) • Basic life support (D) • Oxygen therapy (I) • Aerosol therapy / nebulisation (I) • Ryle's tube insertion (D) • Lumbar puncture (O) • Pleural and ascitic aspiration (O) • Cardiac resuscitation (D) • Peripheral blood smear interpretation (I) • Bedside urine analysis (D)
General Surgery	• Basic suturing (I) • Basic wound care (I) • Basic bandaging (I) • Incision and drainage of superficial abscess (I) • Early management of trauma (I) and trauma life support (D)
Orthopaedics	• Application of basic splints and slings (I) • Basic fracture and dislocation management (O) • Compression bandage (I)
Gynaecology	• Per Speculum (PS) and Per Vaginal (PV) examination (I) • Visual Inspection of Cervix with Acetic Acid (VIA) (O) • Pap Smear sample collection & interpretation (I) • Intra- Uterine Contraceptive Device (IUCD) insertion & removal (I)
Obstetrics	• Obstetric examination (I) • Episiotomy (I) • Normal labor and delivery (including partogram) (I)
Paediatrics	• Neonatal resuscitation (D) • Setting up Pediatric IV infusion and calculating drip rate (I) • Setting up Pediatric Intraosseous line (O)
Forensic Medicine	• Documentation and certification of trauma (I) • Diagnosis and certification of death (D) • Legal documentation related to emergency cases (D) • Certification of medical-legal cases e.g. Age estimation, sexual assault etc. (D) • Establishing communication in medico-legal cases with police, public health authorities, other concerned departments, etc (D)

Specialty	Procedure
Otorhinolaryngology	• Anterior nasal packing (D) • Otoscopy (I)
Ophthalmology	• Visual acuity testing (I) • Digital tonometry (D) • Indirect ophthalmoscopy (O) • Epilation (O) • Eye irrigation (I) • Instillation of eye medication (I) • Ocular bandaging (I)
Dermatology	• Slit skin smear for leprosy (O) • Skin biopsy (O) • Gram's stained smear interpretation(I) • KOH examination of scrapings for fungus (D) • Dark ground illumination (O) • Tissue smear (O) • Cautery - Chemical and electrical (O)

I- Independently performed on patients,
O- Observed in patients or on simulations,
D- Demonstration on patients or simulations and performance under supervision in patients