

Indicative List of Competencies and Skill
DNB Family Medicine Programme

PROCEDURAL SKILLS

The students are expected to acquire following skills:

1. Anaesthesiology: Endotracheal intubation; intravenous access (peripheral and central lines, venesection, intravenous infusion); anaesthesia (local, regional, intravenous sedation).
2. Medicine : cardio-pulmonary resuscitation (CPR) and advanced cardiac, trauma, obstetric life supports, lumbar puncture, pleural aspiration, peritoneal aspiration, drainage of tension pneumothorax, nasogastric intubation and lavage; intravenous, intramuscular, intradermal and intralesional injections; intra-articular injection and aspiration; take an ECG.
3. Obstetrics & Gynaecology : conduction of normal delivery, making and suturing of episiotomy, management of breech delivery and retained placenta; repair of perineal laceration; vacuum extraction, forceps extraction; speculum examination, cervical smear, IUCD insertion.
4. Ophthalmology : funduscopy, removal of foreign bodies.
5. Orthopaedics : splinting of fractures, reduction of simple fractures and dislocation; application of casts.
6. Otorhinolaryngology : removal of foreign bodies from nose, syringing of ear, nasal packing; use of otoscope.
7. Paediatrics : resuscitation of the newborn; intraosseous infusions.

8. Pathology : haemoglobin level, erythrocyte sedimentation rate, total and differential leukocyte count, blood picture, routine and microscopic examination of urine and stool; taking swabs from various orifices and wounds; Fine Needles Aspiration; performing Gram stain and Ziehl-Neelsen stain; microscopy of urethral and vaginal discharge; blood sugar with glucometer; use of uristix etc.
9. Surgery : Assessment and closure of traumatic wounds; burns; incision and drainage of abscess; in-growing toe-nails; excision and biopsy of superficial swellings; venesection; urethral catheterization; suprapubic cystostomy; circumcision in adults; intercostals tube drainage; tracheostomy; screening for breast cancer.

Competencies to Be Acquired by the Candidates:

- Effective management of common diseases within the limited resources of family practice setting including:
 - Common symptoms/illnesses
 - Psychosocial problems
 - Chronic diseases
 - Common emergencies
- Identification of complex health problems and appropriate referral
- Promotion of health and prevention of disease, and knowledge about the national health programmes
- First aid, CPR, transportation of patients
- Basic laboratory investigations, techniques, interpretation
- Essential drug list, rational prescribing and prescription writing
- Recognition and evaluation of conditions requiring surgical diagnosis and procedure

- Neonatology, growth and developmental disorders, genetic and paediatric illnesses
- Antenatal, intranatal and postnatal care, normal labour and puerperium, diagnosis and management of pregnancy related complications and awareness of family welfare programmes
- Ability to care for disadvantaged groups in the community such as the elderly, mentally and physically handicapped persons
- General epidemiological levels of prevention and control of common CD's and NCD's
- Soft tissues, bone and joint diseases, fractures, dislocations, sprains, PMR
- Recognition of common eye diseases and diagnosis, management and referral of all emergencies in eye
- Recognition and first line management of common diseases of ear, nose and throat
- Prevention diagnosis and management of common dermatological conditions
- Basic principles of anaesthesiology
- Development of managerial skills
- Behavioural and social sciences related to family medicine
- Legal and ethical considerations in family practice
- National health insurance schemes
- Health education
- Nutrition and dietetics, occupational health, reproductive and child health, disaster management
- Research methodology - use of quantitative and qualitative research methods, use of statistical packages, writing scientific papers
- Palliative care and domiciliary care
- Basics of Biostatistics for analysis of qualitative and quantitative data
- Medical Informatics:

- Information retrieval and handling
- Literature searches
- Computer literacy in respect of patient management
- Search for medical information
- Statistical packages for analysis of data
- Database management and auditing
- Basics of hospital management Quality assurance
- Management of basic dental emergencies and preventive measures
- Basics of health economics
- Basics of resource and financial management
- Ability to teach and supervise undergraduates, postgraduates and other levels of para-medical staff
- Development in a particular area of expertise within family medicine e.g., counseling for psychosocial problems

Procedures Performed

- Venepuncture And Cut-Down
- Gastric Lavage And Enema
- Lumbar Puncture
- Urethral Catheterization
- Thoracocentesis and Paracentesis
- Skin Biopsy
- Electrocauterization of warts
- Evacuation of Incomplete Abortion Dilation and Curettage
- Using Partogram
- Fine Needle Aspiration Cytology
- Incision and Drainage
- Suturing
- Dressing of Open Wounds
- Circumcision
- Reduction of Paraphimosis
- Water Seal Drainage
- Vasectomy
- Tracheostomy
- Proctoscopy
- Refractive Error Assessment
- Tonometry
- Fundoscopy
- Removal of Foreign Body in Eye
- Otoscopy, Rhinoscopy, Laryngoscopy
- Foreign Body Removal for Ear & Nose
- Ear Syringing
- Hearing Tests
- Transportation Protocol of trauma patients

- Plaster of Paris – Types and application
- Removal of POP
- First Aid In Traumatic Fractures
- Cardiopulmonary Resuscitation
- Defibrillation
