AIM

The aim of medical education program is to graduate physicians who

- are aware of the local and global health issues
- have acquired competence in knowledge, skills and attitudes to manage and provide primary health care service
- know, apply and care for ethical principles of the medical profession
- keep up with current knowledge at national and international level
- are capable of systematical thinking
- are investigative and questioning
- continually renovate and improve themselves
- are capable of teamwork
- use technology competently in medicine and related areas
- have effective communication skills
- have community leadership qualifications

OUTCOMES

Graduate should be able to:

1) practice as a physician,

- oriented towards
  - individual and non-individual factors affecting health
  - sustainment and improvement of healthy condition
  - clinical conditions which
    - are frequent in community
    and/or
    - pose high risk for individual or community health
    and/or


- life-threatening or constitute an emergency

- at a competency level appropriate to deliver primary health care services compatible with surrounding context of health determinants.

1.1 explain normal structural components of human body, their functions and operational mechanisms at organismal, multisystem, system, organ, tissue, cellular and molecular levels.

1.2 explain healthy condition and factors affecting health.

1.3 explain and relates causes of clinical conditions, courses of effect and outcomes.

1.4 explain changes (i.e. physiological and pathological) in structural components of body, their functions and operational mechanisms under healthy and clinical conditions.

1.5 explain most frequently occurring or most important clinical complaints (i.e. chief complaint), symptoms, signs, laboratory and imaging findings and their emergence mechanisms in clinical conditions.

1.6 explain current medical and surgical methods used in interventions directed towards health conditions.

1.7 use contextually appropriate medical history taking method, out of different types (e.g. comprehensive, focused or hypothetico-deductive) and systematically, to gather medical information from healthy individual, patient or patient’s companions (i.e. heteroanamnesis), in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.

1.8 employ physical examination methods for systems in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.

1.9 accurately interpret findings in medical history and physical examination, in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.

1.10 implement diagnostic procedures (e.g. point of care testing, physician office testing) required for primary health care, in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.

1.11 select (utilize) tests shown to be highly effective in clinical decision making by evidence-based medicine from the aspects of reliability, practicality and outcome.
measures, in case of an encounter with a healthy person or a patient who seeks health care service for a health condition, and interpret results.

1.12 make clinical decisions (e.g. benefit estimation, risk estimation, prevention, screening, test requisition, diagnosis, triage, staging, consultation, prognosis, watchful-waiting, intervention, monitoring, end of intervention, discharge, control, end of follow-up) shown to be highly effective from the aspects of outcome measures by evidence-based medicine, in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.

1.13 accurately perform interventional procedures (i.e. interventional clinical skills, competencies and proficiencies) required for primary health care, in case of an encounter with a healthy person or a patient who seeks health care service for a clinical condition.

1.14 coordinate referral or transport of patient, when necessary and with patient-centered approach, to secondary health care institution, without posing any risk to patient’s health, security and confidentiality, in case of an encounter with a patient who seeks health care service for a clinical condition.

1.15 manage request or symptom, healthy or clinical condition, and healthy individual or patient, with beneficiary-centered approach, and with clinical decisions made by analytical and critical thinking, clinical reasoning and problem solving methods, in case of an encounter with a patient who seeks health care service for a health condition.

1.16 execute protective and therapeutic medical practices that are individual, family and community-oriented, easily accessible, integrated and coordinated, continuous, comprehensive, and based on the principles of confidentiality, in primary health care services.

1.17 identify factors that pose a high risk to individual and community health, and determine individuals or populations at risk in advance or at an early stage and implement the necessary measures.

1.18 value preventive health services, offer primary prevention (i.e. prevention of diseases for the protection of health), secondary prevention (i.e. early diagnosis and treatment) and tertiary prevention (i.e. rehabilitation) services, and provide consultacy on these issues.
1.19 provide life-style consultancy and design services to sustain and improve individual and community health.

2) manage primary health care services.

2.1 manage health care team in primary health care organization.

2.2. lead community with sense of responsibility, good behavior and manners in consideration of individual behaviors and social dynamics of community, and if there is a necessity, develop projects directed towards health care services.

2.3 define health management and economics principles, models for organization and finance of health care services.

2.4 use health care resources with cost-effective manners.

3) advocate individual and community health under all circumstances.

3.1. provide consultancy services to sustain and promote the health of individual and community.

3.2. explain epidemiology of clinical conditions, and define measures to reduce frequencies.

3.3. describe completely all high risk factors for the community health (e.g. natural disasters, nuclear accidents, fire, war, bio-terrorism, etc.), and implement necessary measures in order to prevent effects on health.

3.4. explain health determinants completely (e.g. physical environment, social environment, genetic background, individual response -behavior, biology-, health care services, welfare, etc.), including conditions that prevent access to health care.

4) perform medical practices according to regulatory and ethical principles and in consideration of behavioral sciences, social sciences, and humanities.

4.1 recognize determinants affecting individual behaviors and attitudes, and social dynamics.

4.2 recognize basic ethical principles completely, and distinguish ethical and legal problems.

4.3 recognize regulations concerning national and international health systems.

4.4 employ safety, security and confidentiality principles completely for beneficiaries of health care services, companions and visitors, and health care workers.
4.5 **use** medical record and information systems according to regulations and ethical principles.

4.6 **value** informed consent taking in the framework of patients’ rights, and **employ** fully.

4.7 **interpret** historical, anthropological and philosophical evolution of medicine, health and disease concepts, and **relate** to current medical practice

5) **establish** correct and effective communication with all stakeholders of health care services and collaborate.

5.1. **communicate** by using problem solving abilities during all of professional life with health care beneficiaries, co-workers, accompanying persons, visitors, patient’s relatives, care givers, colleagues, other individuals and organizations.

5.2. **collaborate** with related organizations and institutions, with other professionals and health care workers as a team member through using problem solving abilities.

5.3. **communicate** with all stakeholders with consideration of socio-cultural differences.

6) **promote** self medical knowledge and skills in view of the current scientific developments throughout own career.

6.1. **adopt** and **implement** the importance of lifelong self-learning.

6.2. **recognize** importance of updating knowledge and skills; **search** current advancements and improve own knowledge and skills.

6.3. **speak** at least one foreign language at advanced level to follow the international literature and communicate with colleagues.

6.4. **recognize** methods to reach current scientific knowledge, and **use** available technology.

6.5. **recognize** principles of evidence-based medicine, and **implement** in health care services.

6.6. **develop** and **present** research projects.

7) **manage** own postgraduate career.

7.1. **recognize** and **investigate** postgraduate work domains and job opportunities.

7.2. **determine** postgraduate work domains, job opportunities and requirements for application, **distinguish** and **plan** requirements for further training and work experience.

7.3. **prepare** a resume, and **recognize** job interview methods.

7.4. **recognize** health technologies expected to be implemented in near future and emerging work areas.