

Screening Course

Program

- Screening – general concepts and principles.
- Health promotion and disease prevention.
- Accuracy of screening tests; *likelihood ratios*; ROC curves.
- Usefulness of screening and diagnostic tests – validity, accuracy, cost, accessibility, risks, effect on clinically relevant outcomes.
- Natural history of diseases – implications on the rationale for screening and definition of screening interval.
- Organized programs and opportunistic screening.
- Evaluation of screening programs efficacy – biases and strategies to overcome them.
- Quality: equity and accessibility, safety, effectiveness, efficiency, sustainability.
- Screening in maternal and child health (prenatal screening: Down syndrome; postnatal screening: metabolic screening and hearing screening).
- Cancer screening (cervical cancer, breast cancer, colorectal cancer, prostate cancer).
- Other screenings (e.g. opportunistic screening for cardiovascular risk, chronic obstructive pulmonary disease screening, diabetic retinopathy screening, screening for genetic diseases in relatives of index cases, screening for hepatocarcinoma in cirrhosis).