Course

C1. Definitions, methods, basic processes 2 hours
Subsections:
1. Concept definition
2. Epidemiological method vs. clinical method
3. Indicators
4. Infectious process
5. Epidemic focus (outbreak)
6. Epidemic process (predisposing factors)

C2. Epidemic process 2 hours
Subsections:
1. Source of infection
2. Mode of transmission
3. Susceptible host

C3. Epidemic process and epidemiologic studies 2 hours
Chapter: Epidemic process
Subsections:
1. manifestation forms
Chapter: Epidemiologic studies
Subsections
1. observational studies (descriptive and analytic studies)
2. trials (clinical trial and community trial)
3. errors (random error and systematic error)

C4. Epidemiologic surveillance 2 hours
Subsections:
1. Definition
2. The utility and attributes of surveillance system
3. Data collection and data analysis
4. Data interpretation and data dissemination
5. Evaluation

C5. Epidemiology, prevention and control of infections 2 hours
Subsections:
1. with respiratory transmission
2. with digestive transmission

C6. Epidemiology, prevention and control of infections 2 hours
Subsections:
1. with parenteral transmission
2. with sexual transmission
3. healthcare associated (nosocomial)

Total 12 hours
Practical

P1. General on passive and active immunoprophylaxis 2 hours
Subsections:
1. indications
2. biological products
3. principles of administration
4. generalities on vaccines

P2. Active immunoprophylaxis 2 hours
Subsections:
1. National Immunization Program
2. Vaccines used in NIP

P3. Active immunoprophylaxis 2 hours
1. Vaccines recommended for risk groups
2. Optional vaccines

P4. Intervention in communicable disease epidemiology (epidemiologic investigation stages) 2 hours
Subsections:
1. Preliminary epidemiological investigation
2. Definitive epidemiological investigation

P5. Decontamination, disinfection, sterilization and healthcare waste management 2 hours
Chapter: Decontamination
Subsection:
1. Definition
2. Classification
3. Means of decontamination
4. Levels of decontamination
Chapter: Sterilization
Subsection:
1. Definition
2. Classification of instruments
3. Means and methods of sterilization
4. Sterilization controlul
Chapter: Healthcare waste management
Subsection:
1. Definition
2. Classification
3. Collection of waste
4. Packaging waste
5. Temporary storage
6. Transport
7. Final elimination

P6. Universal precautions. Accidental exposure to biological products 2 hours
Chapter: Universal precautions
Subsections:
1. Goal
2. Concept
3. Implementing rules
Chapter: Accidental exposure to biological products Subsections:
1. HBV post exposure management
2. HCV post exposure management
3. HIV post exposure management

Total 12 hours
References


