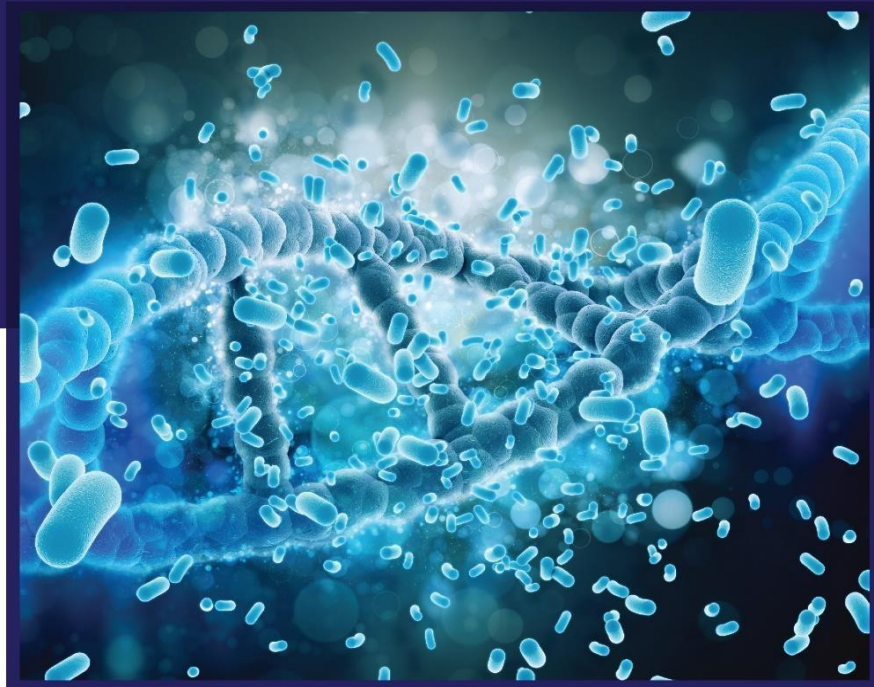


Diploma in
HOSPITAL INFECTION
PREVENTION & CONTROL



"We Should learn to make Bridges not Barriers"

Diploma in Hospital Infection Prevention and Control (DHIPC) Online

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Infection control Vision and mission:

Vision

“Infection free Pakistan”

Mission

“To provide the safest health care system in Pakistan through creating a zero-tolerance approach to avoidable infections and delivering safe, effective and patient centered care through continuous education, improvement and control of health care associated infections”.

Values Statements

Honorable, ethical, respectful, Collaborative, Innovation, Leadership.

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Hospital Infection Prevention and Control

Introduction:

Infection Control (IC) is an essential component of quality healthcare and patient safety. The implementation of IC programs necessitates the existence of qualified IC professionals who are guided by sound principles and current information. Each healthcare institution is unique and its specific needs must be considered when developing or reorganizing an IC program. The modern concept of IC includes also areas other than healthcare-associated infections including occupational safety, maintenance of the physical environment, and the use of increasingly complex medical devices. The purpose of this diploma is to ensure that trainees are fully prepared to lead IC services and they are capable of developing, implementing, supervising, and auditing a comprehensive IC program in different Health organizations. This also guarantees that IC professionals are alert to changing recommendations, scientific literature, and evidence-based guidelines and they are capable of working within the integrated programs of quality assurance and accreditation.

Objectives:

- Enhance understanding of the world of microbiology, which will then enable the candidate to formulate a management strategy to care for infectious patients and prevent further spread of disease.
- Ensure that candidates are fully prepared to lead infection prevention and control services and are capable of developing, implementing, supervising and auditing a comprehensive infection prevention and control program in different healthcare facilities.
- Ensure that IC professionals are capable of working within the integrated programs of quality assurance and accreditation.

Course Duration:

Duration: online one year (three semesters each semester 16 weeks/ 450 contact hrs, 33 credit hrs.)

Theory: 32 weeks

Hands on: 16 weeks

Exam: after each semester and final exam

Classes: Two classes in week =3hourse each class

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Residential Training:

Candidate's onsite and own-site residential training program at Indus Health network hospitals Karachi and Lahore.

Course topics:

1. Basic concept of infection prevention & control
2. Microbiology & Immunology
3. Epidemiological aspect.
4. Universal infection control guidelines
5. Computer Application
6. IC measures for infectious diseases.
7. Advanced concept of infection prevention and control
8. IC for therapeutic devices and occupational health
9. Budget and Finance
10. Statistics & Surveillance
11. Research
12. Administrative and essential issues

The eligibility criteria:

- ✓ Diploma in RN or RN and RM / 4 years bachelor in nursing degree with a minimum of 2-3 years of clinical experience
- Valid / Active PNC license
- ✓ MBBS, BDS, MDS with one year of clinical experience
- Valid PMDC license
- Age limit: Open
- Female male ratio: Open

Methods of Learning/Teaching Physical attendance/online

1. Formal didactic Lectures including PPT, handouts, articles, videos, and others as needed.
2. Practical sessions.
3. Interactive workshops like group discussions on Moodle.
4. Supervised field visits and hands-on training.
5. Assignments and project work.
6. Research /surveillance work

Methods and Weight of Assessment

1. Final summative written exam or Project (60%)
2. Periodical written assignments (10%)
3. Periodical quizzes (10%)
4. Attendance (10%)
5. Participation in formal teaching sessions and fieldwork activities (5%)
6. Research work submission (5%)

Assessment Methods

- a. Accurate and systematic observation by faculty.
- b. Correctly maintained and up-to-date logbook and portfolio.
- c. Satisfactory trainer's report.
- d. Presentation at a seminar/lecture, or journal club (keep a record of presentation handouts in portfolio).
- e. Written assignments.
- f. Project Report & Presentation

Final Exam:

- a. Written examinations
- b. Practical examinations
- c. Oral examinations

Learning Outcomes

At the end of this course, learners will be able to:

- Know the concept of infection control and prevention in health care settings.
- Recognize the role of pathogenic microorganisms, their virulence, and their mode of transmission in relation to the source of infection, including healthcare-associated infections.
- Understanding the purpose of prevention or minimizing healthcare-associated infections in the healthcare setting.
- Understand the role of and implement the use of personal protective equipment to prevent or reduce the risk of occupational exposure.

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- Understand the role and implement appropriate hand hygiene.
- Understand the role of and incorporate engineering and work practice controls to eliminate or isolate the hazard in the workplace.
- Understand the role of and implement environmental infection control to provide a safer work environment.
- Understand the importance of post-exposure follow-up and associated policies and practices to reduce the risk of post-exposure infection.
- Understand the principles of and implement transmission-based precautions to prevent the potential spread of specific diseases (e.g., TB disease, Covid-19).
- Understand the principles of and implement respiratory hygiene/cough etiquette, i.e., basic source control measures with patients, visitors, and health care personnel with signs and symptoms of respiratory tract infection.
- Understand the Surveillance strategies of nosocomial infections and Antimicrobial stewardship and how to combat resistance.
- Know the outbreak situation and investigation.
- Understand and implement strategies and evidence based guidelines for standard and general IC measures.
- Use of statistics in infection control.
- Perform communication skills.

Field Projects (hands-on)

- Candidates will conduct a field project and will present their findings, conclusions, and recommendations at the end of the course.
- A variety of topics will be targeted for conducting field projects; e.g.:
 - Surveillance studies in different settings
 - Intervention studies in some critical care units.
 - Outbreak investigation (MRSA, VRSA, Multidrug-resistant Gram-negative bacilli, etc.)
 - Developing and implementing an IC program and measuring the impact.
 - Developing an educational program

The semester system (4 months duration)

Classes 14 weeks + exam 2week

- Clinical Practicum at Indus hospital = 4 weeks
- Clinical Practicum at their own setting = 4-week
- Surveillance/ audit/ interventional study their own sittings= 4 week
- Exam preparation and final exam = 4 week

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Learning objectives:

At the end of this session, you should be able to:

- Enhance the clinical confidence to handle oversee and monitor the different IC issues in a hospital setting.
- Learn and recognize the benefit to patients and healthcare workers of adhering to scientifically accepted principles and practices of infection prevention and control in health settings.
- Able to recognize the professional's responsibility to monitor infection prevention and control practices of those medical and ancillary personnel for whom he or she is responsible and intervene as necessary to assure compliance and safety.
- Able to identify the factors that influence the outcome of exposure to pathogenic organisms in healthcare settings.
- Able to list strategies for preventing transmission of pathogenic organisms and describe how infection control concepts are applied in professional practice.

The course starts from:

- Course application starts in the month of June.
- Aptitude test in the month of July.
- Start Year from August.
- End Year July.

Fee Structure:

National Students Fee Structure

- **Course fee: ----- PKR**
- **Admission fee ----- PKR**

International Students Fee Structure

- **Course Fee ----- \$**
 - **Admission Fee ----- \$**

Course Facilitators:

Dr. Samreen Sarfaraz.

Infectious Disease Consultant, IC Chair, Indus Hospital & Health Network.

Ms. Arifa Khatoon.

Assistant Professor Indus University of Health Sciences

Ms. Shabnam Bilal.

Manager, Infection Control Department, Indus Hospital & Health Network.

Dr. Reema Aslam.

Research Associate Epidemiologist, Infection Control Department, Indus Hospital & Health Network.

Course Organizers:

Mr. Farhan Zaffar.

Deputy Manager Academic Directorate, Indus University of Health Sciences & Infection Control Department, Indus Hospital & Health Network.

Mr. Waseem Khan.

Instructor, Infection Control Department, Indus Hospital & Health Network & Indus University of Health Sciences.

Contact Details:

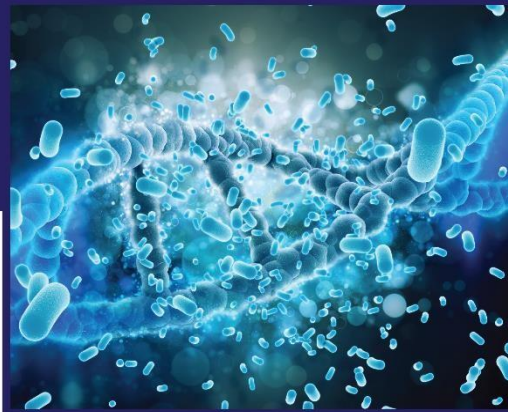
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