

Visit Report To IVF Center

Place of Visit: Indira IVF Center, Buldana

Date of Visit: [11 October 2025]

Students: (7th semester)4th Year B.Sc. Nursing

Subject: Obstetrics and Gynecology Nursing

Faculty Guide: Ms. Priyanka Rathod

Introduction:

As part of our academic curriculum, the 4th-year B.Sc. Nursing students visited Indira IVF Center, Buldana to gain practical knowledge about infertility management and assisted reproductive technology (ART). The purpose of the visit was to understand the structure, function, and nursing responsibilities in a specialized reproductive health facility.

Objectives of the Visit:

1. To observe the structural layout and functional areas of an IVF center.
2. To understand the various procedures involved in assisted reproductive technology (ART).
3. To identify the role of nurses in infertility management and patient care.
4. To gain knowledge about patient counseling, assessment, and post-procedure care.
5. To understand the ethical and legal aspects related to ART practices

Structure and Physical Layout of the IVF Center:

The Indira IVF Center, Buldana, is a well-organized and modern facility designed to ensure smooth workflow and patient privacy. The center is divided into several specialized sections:

1. Reception and Waiting Area:

Well-furnished and air-conditioned.

Registration counter and patient record section.

Comfortable seating arrangement for patients and attendants.

2. Consultation Rooms:

Separate rooms for gynecologists and fertility specialists.

Equipped with examination tables and ultrasound machines.

Used for history taking, infertility evaluation, and counseling.

3. Laboratory Section:

Semen Analysis Room: For examining sperm quality and motility.

Embryology Lab: For ovum retrieval, fertilization, and embryo culture.

Cryopreservation Room: For freezing and storing embryos or gametes.

Maintained under strict aseptic and temperature-controlled conditions.

4. Operation Theatre (OT):

Used for oocyte retrieval and embryo transfer procedures.

Equipped with advanced microscopes, incubators, and anesthesia equipment.

Strict aseptic precautions are maintained.

5. Recovery Room:

Post-procedure observation area for patients.

Continuous monitoring of vital signs by nursing staff.

6. Pharmacy:

Provides fertility medications and hormone therapy drugs.

7. Counseling Room:

Used for pre- and post-treatment counseling.

Maintains patient confidentiality and emotional support.

8. Administrative Office and Record Room:

Maintains all documentation, reports, and consent forms.

Observation and Learning:

During the visit, students were guided by the nursing supervisor and medical staff. They explained the step-by-step IVF process, patient preparation, and post-procedure care. Students observed various departments and learned about equipment handling, infection control practices, and the coordination between medical and nursing teams.

Role of Nurses Observed:

- Assisting in patient preparation before IVF procedures.

- Maintaining aseptic techniques during oocyte retrieval and embryo transfer.
- Monitoring patients during pre- and post-operative periods.
- Providing health education and emotional support to couples.
- Coordinating between doctors, laboratory technicians, and patients.
- Maintaining records, consent forms, and reports.
- providing holistic care to infertile couples.

