Anatomical Study of the Reproductive System

Experiment 30 - Practical Notes

Name: _____ Roll no.: _____ Date: _____

Aim

To identify the main structures of the reproductive system on models, charts or preserved teaching material.

Principle

Gonads form gametes and hormones; associated structures support transport and reproduction. Structural relationships help explain the physiological function.

Structures and Functional Link

- Testes, ducts, accessory glands; ovaries, uterine tubes, uterus, cervix and vagina.
- Trace sperm transport on a male model and the oocyte/uterine pathway on a female model.
- The ovary and testis have both gamete and endocrine functions.

Requirements

- Male and female reproductive organs model or chart
- Institution-approved preserved demonstration material if available
- Labelled drawing sheet

Procedure

1. Orient

Identify the anatomical position and major divisions of the model or chart.

2. Identify

Locate and label: Testes, ducts, accessory glands; ovaries, uterine tubes, uterus, cervix and vagina.

3. Trace function

Trace sperm transport on a male model and the oocyte/uterine pathway on a female model.

4. Compare structures

Relate tissue or organ design to its major function.

5. Record

Draw a labelled schematic and explain the functional pathway in your own words.

Observations and Record

Structure / pathway	Identification / function
Main structures	_____
Inlet / outlet or connections	_____
Labelled drawing	_____
Functional pathway	_____
Structure-function explanation	_____

Result

The main structures were identified and labelled as _____. The functional pathway was explained as _____.

Precautions

- Handle museum material only as authorised.
- Use the provided orientation rather than assuming left/right from the viewer's position.
- Do not infer a patient diagnosis from the teaching model.

Viva Questions and Answers

1. Which structures should be identified?

Testes, ducts, accessory glands; ovaries, uterine tubes, uterus, cervix and vagina.

2. What pathway should be traced?

Trace sperm transport on a male model and the oocyte/uterine pathway on a female model.

3. What key concept is illustrated?

The ovary and testis have both gamete and endocrine functions.

First Hope

COMPLETE NOTES

Click here to visit our website

PHARMACY PRACTICAL NOTES

Complete subject and semesters are available on FirstHope app only.

Scan or click here

Click here to get the app >

Available on Google Play

JOIN THE FIRSTHOPE COMMUNITY

Join our Telegram channel

Click here to join Telegram >

Scan or click here

@FirstHopeNotes

Instagram

@firsthope.official

Click here to follow >

YouTube channel

FirstHope-Pharmacy / Live streams

Click here to watch >

WhatsApp channel

Follow FirstHope on WhatsApp

Click here to join >

FirstHope website

firsthope.co.in

Click here to visit >

B.Pharm / D.Pharm / M.Pharm / Pharm.D

Complete subjects and semesters are available in the FirstHope app.