

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.

Human Anatomy and Physiology

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.

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