

Genomic Counseling — Ethics, Privacy & Consent — Hands-on

Understand the key ideas behind genomic counseling with a focus on ethics, privacy, informed consent and communication. This module is designed to help technical and clinical teams appreciate how results, uncertainties and data use should be explained and documented in a responsible way. Content is for training and awareness only and is **not** a substitute for professional medical, legal or genetic counseling advice.

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Session 1

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Genomic Counseling & Communication Foundations

The role of genomic counseling in clinical genomics (high level)

supporting understanding of tests and results
setting expectations and boundaries snapshot
working alongside clinicians and counselors idea

Basic communication principles for genomics discussions

plain language and avoiding jargon mindset **checking**

understanding and questions snapshot **sensitivity to emotional and cultural context**

Types of genomic findings and how they are framed

pathogenic, likely pathogenic and VUS ideas
actionable vs non actionable concepts **incidental and secondary findings snapshot**

Session 2

Fee: Rs 11800 Apply Now

Ethics, Privacy & Data Protection Concepts

Core ethical themes in genomic testing (conceptual)

autonomy, beneficence and non maleficence ideas
justice and fairness snapshot **family and community considerations mindset**

Privacy and confidentiality in genomics (high level)

sensitivity of genomic and family information **access control and need to know idea** **de identification concepts snapshot**

Data use, sharing and broad consent ideas

clinical care vs research use thinking **biobanks and data reuse snapshot** **participants' expectations and trust**

Session 3

Fee: Rs 14800 Apply Now

Informed Consent, Expectations & Limitations

Elements of informed consent for genomic testing (high level)

purpose of the test and possible outcomes **benefits, risks and uncertainties snapshot** **data storage and sharing explanations**

Discussing limitations and uncertainties with patients

possible negative and inconclusive results **variants of uncertain significance mindset** **re contact and reinterpretation ideas**

Preferences around secondary and incidental findings (conceptual)

opting in or out of certain categories **impact on family members snapshot** **documenting choices and changes over time**

Session 4

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Mini Capstone: Counseling Narrative & Consent Checklist

Start from a short anonymised case and test scenario

Theory + Practical

Sketch a simple counseling style narrative outline

how to introduce the test and purpose **explaining possible outcomes and next steps** **noting key questions to invite**

Draft a high level consent and privacy checklist

topics that should be covered **how choices and preferences are recorded** **notes for collaboration with clinicians and counselors**