

Cornell Guided Notes

Genetics of Disease (Medical Interventions) | 2026-10-16

Name

Period

Date

Lesson

Lesson focus

Genetic counseling memo

Key words and questions

Prepared details and student notes

Essential question
What is today's target?

Write a counseling memo that interprets a carrier result for a family without overstating risk.
Big idea: How do you communicate genomic risk honestly without causing unnecessary fear or false certainty?

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- allele
- genotype
- phenotype
- pedigree
- SNP
- carrier
- genetic counseling

My notes, examples, and questions

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Cornell Notes - Continued

Key words and questions

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Must-know ideas
What should I understand by the end?

- A carrier of a recessive condition typically shows no symptoms but has a 50% chance of passing the allele to each child.
- A positive carrier result does not mean the person will develop the disease; it affects reproductive risk calculation.
- Genetic counselors use training in psychology and genomics to prevent both misinterpretation and emotional harm.

My notes, examples, and questions

Process notes
What happens during class?

- 0-8: Hook: bad search-engine result; discuss what is wrong with it
- 8-20: Review Wednesday carrier result; list what it does and does not mean
- 20-50: Draft counseling memo: finding in plain language, one next step, no overstating
- 50-65: Add sentence on why a counselor, not a search engine, is needed
- 65-75: Peer review: check for overstated claims or missing next step
- 75-80: Submit memo draft to course shell

My notes, examples, and questions

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Cornell Notes - Continued

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Steps and evidence What do I do and turn in?

- Review the carrier result for the case family from your Wednesday table.
- List what the result does and does not tell the family about disease.
- Draft a memo that explains the carrier finding in plain language and names one next step.
- Add one sentence on why a genetic counselor, not a search engine, should guide the decision.
- Submit your counseling memo draft as your daily evidence.

Evidence: CER - Counseling memo: carrier finding in plain language, list of what the result does and does not mean, one next step, and a sentence on the role of genetic counseling.

My notes, examples, and questions

Checks for understanding How do I know I got it?

- You'll be able to interpret a carrier result accurately for a family.
- You'll be able to explain the role of genetic counseling.

My notes, examples, and questions

Lab or safety notes What must I handle carefully?

No special lab safety notes today. Follow normal classroom and digital-work expectations.

My notes, examples, and questions

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Summary

Today's lesson focused on Genetic counseling memo. The main target was: Write a counseling memo that interprets a carrier result for a family without overstating risk. The evidence of learning is CER: Counseling memo: carrier finding in plain language, list of what the result does and does not mean, one next step, and a sentence on the role of genetic counseling.. In my own words, the most important idea from today is:

My summary

My final question or connection