

Cornell Guided Notes

Genetics of Disease (Medical Interventions) | 2027-03-17

Name

Period

Date

Lesson

Lesson focus

Access-to-results debate

Key words and questions

Prepared details and student notes

Essential question
What is today's target?

Argue a CER position on whether patients should receive raw genetic testing results directly. Big idea: Should a patient have the right to receive genetic data that a clinician might interpret differently?

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- primer
- restriction enzyme
- gel electrophoresis
- microarray
- hybridization
- marker

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?

- Raw genetic results may include variants of uncertain significance that are easy to misread without training.
- Proponents of direct access argue that patients own their biological data and have a right to it immediately.
- The 2013 FDA order restricting 23andMe health reports shows how regulators weigh access against potential harm.

My notes, examples, and questions

Process notes
What happens during class?

- 0-5: Hook screenshot; frame the debate question
- 5-20: Silent read of access-to-results case brief; draft two questions
- 20-35: CER draft: claim, two evidences, reasoning
- 35-65: Structured debate: direct access yes vs. clinician-mediated only
- 65-75: Written reflection: state one counterargument and whether it shifted your position
- 75-80: Post CER and reflection to course shell; preview Tuesday PCR work

My notes, examples, and questions

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Steps and evidence What do I do and turn in?

- Read the access-to-results case brief in the course shell.
- Write two prepared questions about giving patients raw results without a clinician.
- Draft a CER with a claim, two pieces of evidence, and your reasoning.
- In the debate, note one counterargument and whether it changes your position.
- Post your CER and reflection in the course shell.

Evidence: CER - One CER on direct patient access to raw genetic results plus a reflection naming one counterargument.

My notes, examples, and questions

Checks for understanding How do I know I got it?

- You'll be able to argue a position on direct access to genetic results.
- You'll be able to address a counterargument with evidence.

My notes, examples, and questions

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Cornell Notes - Continued

Key words and questions

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Lab or safety notes
What must I handle carefully?

Supplies:

- Agarose gel and casting tray
- Gel electrophoresis chamber with power supply
- Micropipette and tips
- Loading dye and DNA size ladder
- TAE or TBE running buffer
- Safety goggles and nitrile gloves

My notes, examples, and questions

Summary

Today's lesson focused on Access-to-results debate. The main target was: Argue a CER position on whether patients should receive raw genetic testing results directly. The evidence of learning is CER: One CER on direct patient access to raw genetic results plus a reflection naming one counterargument.. In my own words, the most important idea from today is:

My summary

My final question or connection