

Cornell Guided Notes

Genetics of Disease (Medical Interventions) | 2027-04-14

Name

Period

Date

Lesson

Lesson focus

Cancer screening debate

Key words and questions

Prepared details and student notes

Essential question
What is today's target?

Argue a CER position on whether broad cancer screening does more good than harm. Big idea: When screening saves some lives but harms others through overdiagnosis, how do you weigh the tradeoff?

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- cancer
- tumor
- benign
- malignant
- metastasis
- oncogene
- tumor suppressor

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?

- Overdiagnosis occurs when screening detects a cancer that would never have caused symptoms or death if left undiscovered; it leads to unnecessary treatment with real side effects.
- Early detection reduces mortality when the cancer is fast-growing and treatable; the benefit is clearest for aggressive cancers.
- False positives cause anxiety, additional testing, and sometimes unnecessary procedures even when no cancer exists.

My notes, examples, and questions

Process notes
What happens during class?

- 0-5: Hook controversy; frame overdiagnosis vs. early detection debate question
- 5-20: Silent read of cancer screening case brief; draft two overdiagnosis questions
- 20-35: CER draft: claim on broad screening benefit vs. harm, two evidences, reasoning
- 35-65: Structured debate: broad screening yes vs. targeted only
- 65-75: Written reflection: name one false-positive or cost counterargument
- 75-80: Post CER and reflection to course shell; confirm Tuesday is the last day before break

My notes, examples, and questions

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Steps and evidence What do I do and turn in?

- Read the cancer screening case brief in the course shell.
- Write two prepared questions about overdiagnosis versus early detection.
- Draft a CER with a claim, two pieces of evidence, and your reasoning.
- In the debate, note one counterargument about false positives or cost.
- Post your CER and reflection in the course shell.

Evidence: CER - One CER on whether broad cancer screening does more good than harm, plus a reflection naming one false-positive or cost 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 cancer screening with evidence.
- You'll be able to weigh early detection against overdiagnosis.

My notes, examples, and questions

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Cornell Notes - Continued

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Lab or safety notes
What must I handle carefully?

Supplies:

- Compound light microscope
- Prepared normal and tumor tissue slides
- Lens paper and immersion-safe cleaning solution
- Labeled morphology image packet
- Sketch sheet and colored pencils
- Safety goggles

My notes, examples, and questions

Summary

Today's lesson focused on Cancer screening debate. The main target was: Argue a CER position on whether broad cancer screening does more good than harm. The evidence of learning is CER: One CER on whether broad cancer screening does more good than harm, plus a reflection naming one false-positive or cost counterargument.. In my own words, the most important idea from today is:

My summary

My final question or connection