

Cornell Guided Notes

Genetics of Disease (Medical Interventions) | 2027-04-19

Name

Period

Date

Lesson

Lesson focus

Biopsy and staging

Key words and questions

Prepared details and student notes

Essential question
What is today's target?

Explain how a biopsy and staging move a suspicious finding toward a treatment decision.
Big idea: Accurate staging is the pivot point between detection and treatment planning.

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- biopsy
- staging
- chemotherapy
- radiation
- targeted therapy
- apoptosis
- side effect

My notes, examples, and questions

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Cornell Notes - Continued

Key words and questions

Prepared details and student notes

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

- A biopsy removes tissue so pathologists can confirm malignancy and tumor type.
- Staging uses tumor size, lymph-node involvement, and metastasis to set a Roman-numeral stage.
- Higher stage generally requires more aggressive or systemic treatment.

My notes, examples, and questions

Process notes
What happens during class?

- 0-10: Read diagnostic-workflow notes; define biopsy and staging in own words
- 10-25: Read sample pathology report; underline tumor size and spread data
- 25-45: Stage two example cases using the stage table; compare with a partner
- 45-60: Write the stage-to-treatment connection sentence
- 60-72: Build diagnostic-workflow ticket (ordered steps list)
- 72-80: Submit ticket; preview Wednesday chemo/radiation comparison

My notes, examples, and questions

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Cornell Notes - Continued

Key words and questions

Prepared details and student notes

Steps and evidence What do I do and turn in?

- Open the diagnostic-workflow notes in the PLTW course shell and define biopsy and staging in your own words.
- Read the sample pathology report and underline the tumor size and whether spread was found.
- Use the provided stage table to assign a stage to two example cases.
- Write one sentence on why a higher stage usually changes the treatment plan.
- Submit a diagnostic-workflow ticket listing the steps from biopsy to assigned stage.

Evidence: Exit ticket - Diagnostic-workflow ticket: ordered steps from biopsy through assigned stage, plus your stage-to-treatment sentence.

My notes, examples, and questions

Checks for understanding How do I know I got it?

- You'll be able to describe what a biopsy reveals and how staging is decided.
- You'll be able to connect stage to a change in treatment approach.

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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Cornell Notes - Continued

Summary

Today's lesson focused on Biopsy and staging. The main target was: Explain how a biopsy and staging move a suspicious finding toward a treatment decision. The evidence of learning is Exit ticket: Diagnostic-workflow ticket: ordered steps from biopsy through assigned stage, plus your stage-to-treatment sentence.. In my own words, the most important idea from today is:

My summary

My final question or connection