

MDLS314-Medical Mycology-20241

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Assignment 2

- 1. What is fluorescence staining and how does it aid in the microscopic detection of fungi in clinical samples?
- 2. Describe the mechanism by which Calcofluor White (CFW) stains fungal elements. What cellular component does CFW bind to?
- 3. Compare the sensitivity of fluorescence microscopy to standard light microscopy for detecting fungi. Why is fluorescence often preferred?
- 4. Provide an example of a specific fluorescent antibody stain that enables identification of a particular fungal species or genus. Describe how this staining method works.

Separate groups

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Part 1

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Summary: 1. What is fluorescence staining and how does it aid in the microscopic detection of fungi in clinical samples? 2. Describe the mechanism by which Calcofluor White (CFW) stains fungal elements. What cellular component does CFW bind to? 3. Compare the sensitivity of fluorescence microscopy to standard light microscopy for detecting fungi. Why is fluorescence often preferred? 4. Provide an example of a specific fluorescent antibody stain that enables identification of a particular fungal species or genus. Describe how this staining method works.						
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12. Subcutaneous Mycoses (Chromoblastomycosis) ▶