

Smearing Techniques

OPA

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Smearing Techniques

- **Purpose**
 - Monolayer Dispersion
 - Mild Cohesion Test
- **Character**
- **Semisolid** → **One Step**
- **Fluid** → **Two Step**
- **Fluid in Hub** → **Snap**
- **Fluid with Particles** → **Crackle**
- **Fluid in Syringe** → **Pop**

Diagn Cytopathol. 1985 Jan-Mar;1(1):59-65.

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Original One & Two Step Technique – Zajicek 1974

| | |
|---------------------------------|--|
| One Step (Semisolid) | |
| Two Step (Fluid) | |

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One Step Technique

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One Step Technique – Right Handed

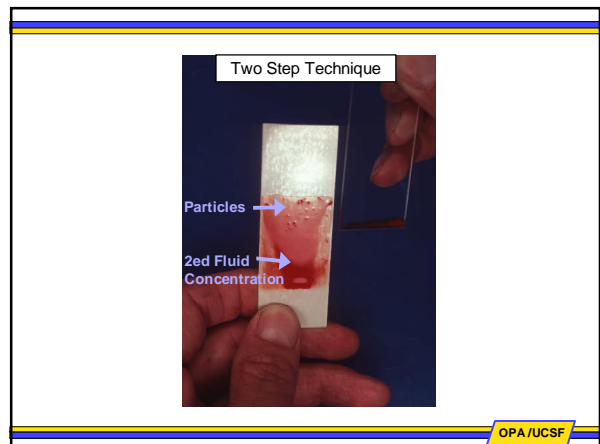
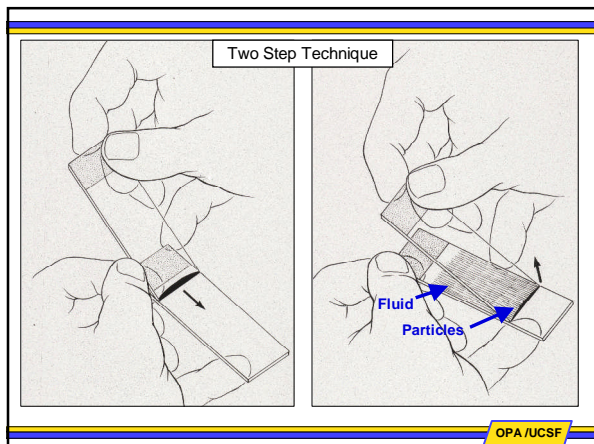
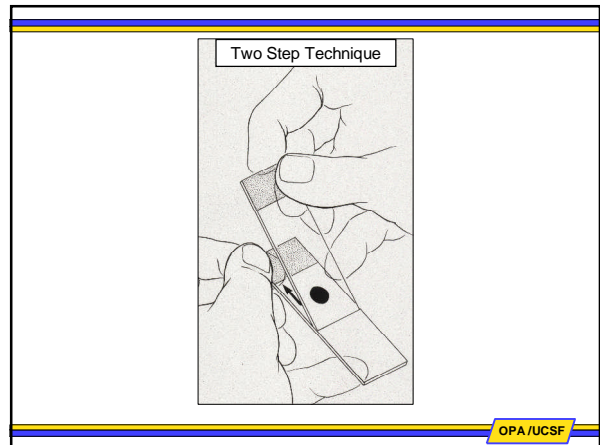
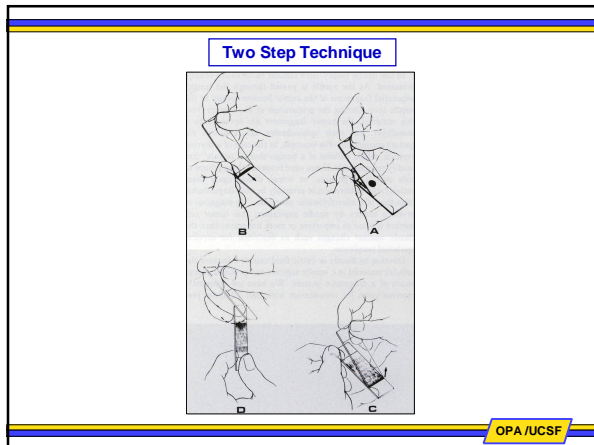
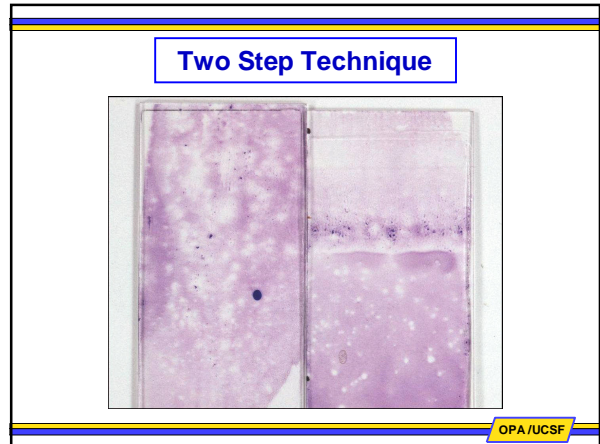
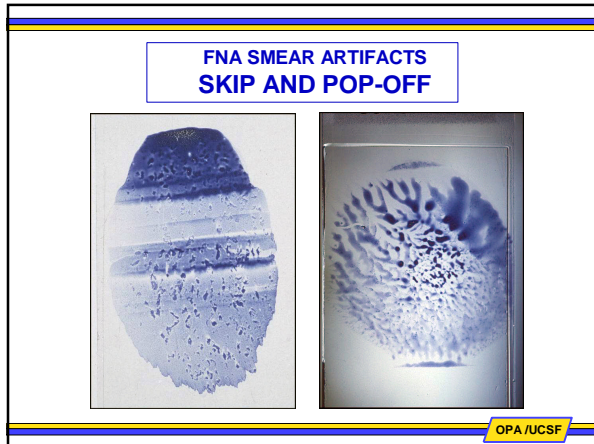
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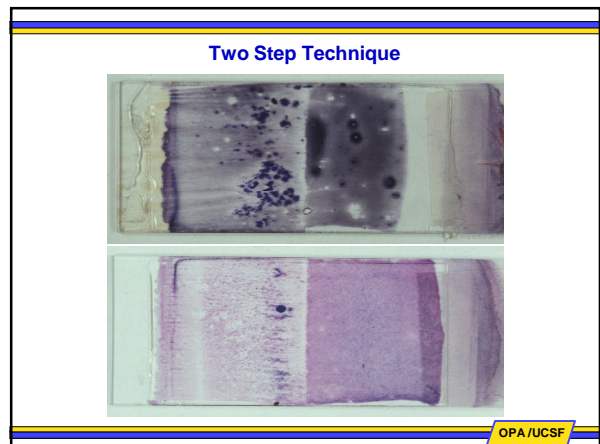
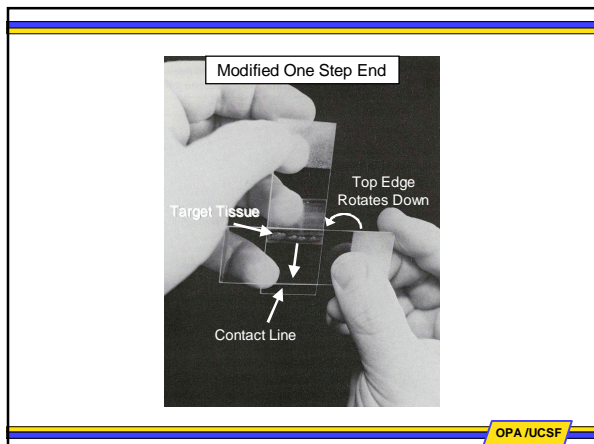
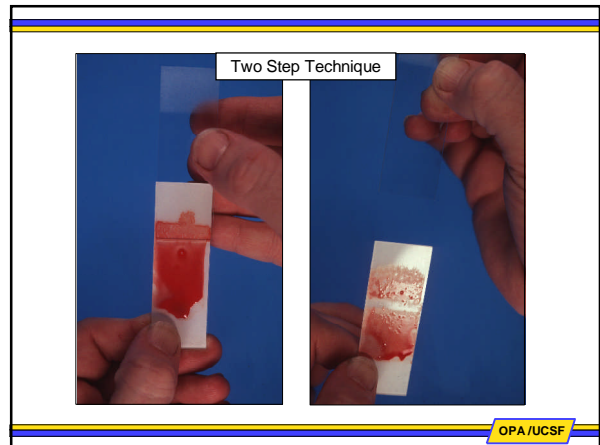
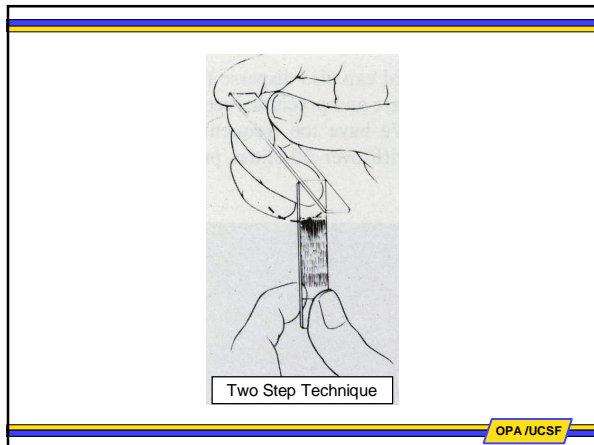
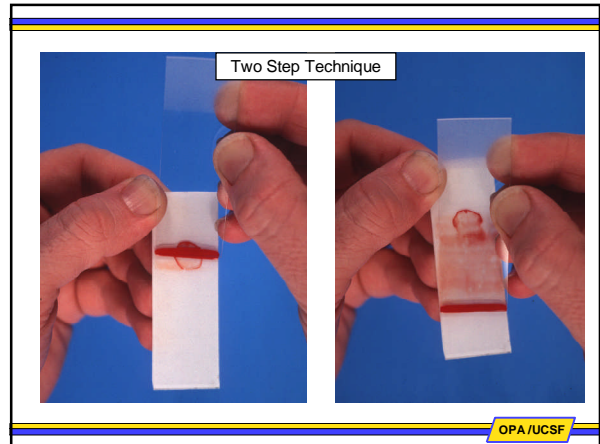
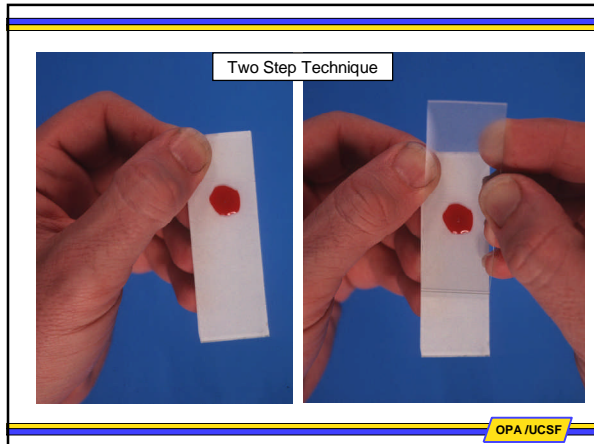
Original One Step Technique

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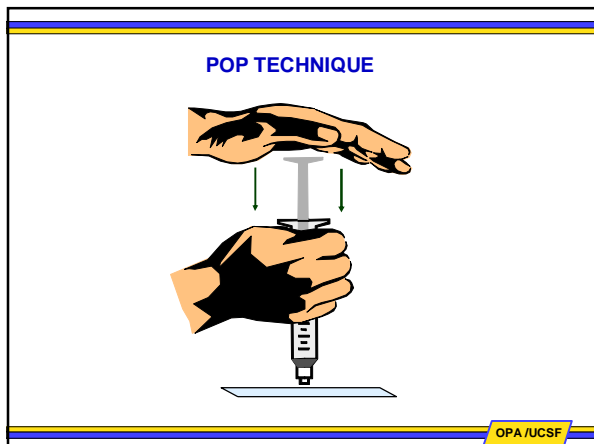
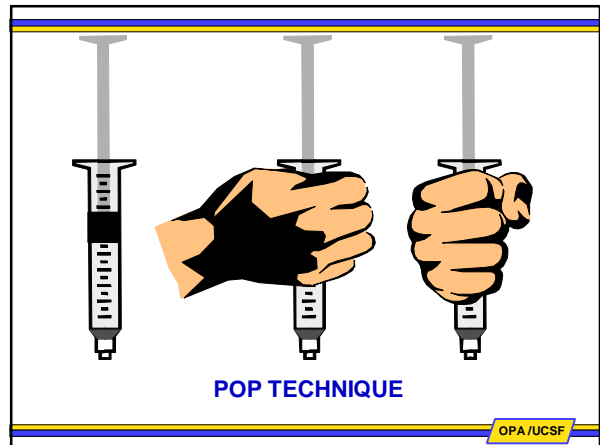
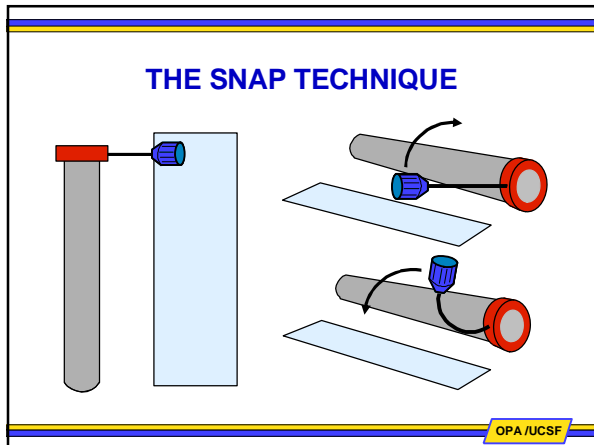
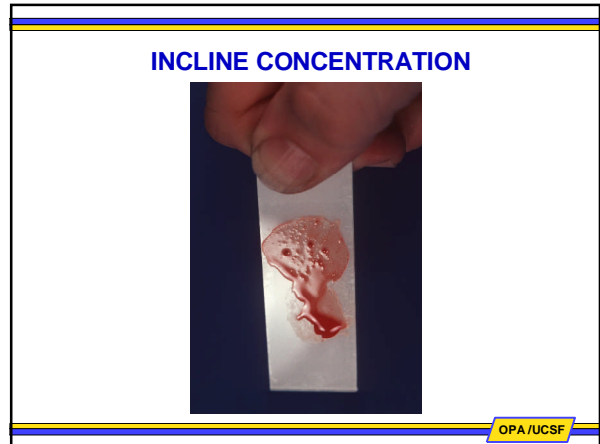
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**FNA BIOPSY OF BREAST
INFLUENCE OF # OF BIOPSIES**

4 BIOPSIES OF 400 LESIONS
INCREMENTAL CONTRIBUTION
1ST BIOPSY ~70% DIAGNOSTIC
2-4 DECLINING YIELD (20, 6, 4)
↑ ↑ ↑

TARGET TYPES
BENIGN / MALIGNANT: SAME OUTCOME
SMALLER TARGETS: BETTER INCREMENTAL YIELD

SENSITIVITY vs. #BX - RMS CURVE FIT
~100% SENSITIVE AT 9-10 BXS
4 "OPTIMAL YIELD"

PENNES. ACTA CYTOL 34:673,1990

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