

Pleural Fluid Analysis Interpretation

Patient Information

Name:

Age: Sex:

Medical History:

Clinical Presentation:

Procedure Details

Date of Thoracentesis:

The Volume of Pleural Fluid Extracted:

Appearance of Pleural Fluid:

- Clear
- Turbid
- Bloody
- Milky

Physical Characteristics

Color:

- Normal (Pale Yellow)
- Abnormal (Specify: _____)

Clarity:

- Normal
- Abnormal (Specify: _____)

Viscosity:

- Normal
- Abnormal (Specify: _____)

Laboratory Results

- **Protein Level:** (Normal Range: _____ g/dL)
- **Glucose Level:** (Normal Range: _____ mg/dL)
- **LDH Level:** (Normal Range: _____ U/L)

Differential Cell Count

- **Total White Blood Cell Count:** _____ cells/mm³
 - Neutrophils: _____%
 - Lymphocytes: _____%
 - Other (Specify): _____%

Microscopic Examination

Interpretation

1. Infection

- Bacterial
- Fungal
- Viral
- Tuberculous

2. Inflammation:

- Rheumatoid arthritis
- Lupus
- Other (Specify): _____

3. Malignancy

- Positive for suspicious atypical cells
- Negative for malignant cells

4. Other Findings

- Heart failure-related changes
- Chylothorax
- Hemothorax

Clinical Implications

- **Recommended Further Investigations:**

- **Proposed Treatment Plan:**

- **Follow-up Recommendations:**

Physician's Signature:

Date: