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# CBPP; Pathology

**Massimo Scacchia**

*- WOA Reference Laboratory for CBPP -  
Istituto Zooprofilattico Sperimentale dell' Abruzzo e del Molise  
«G. Caporale», Teramo-Italy*

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# CBPP IPERACUTE LESIONS

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# LUNG AND LYMPH NODES

## Hyperacute Lesions



# Hyperacute Lesions

- Fibrinous haemorrhagic pleuritis
- Bilateral fibrinous pneumonia
- Lymph nodes haemorrhagic

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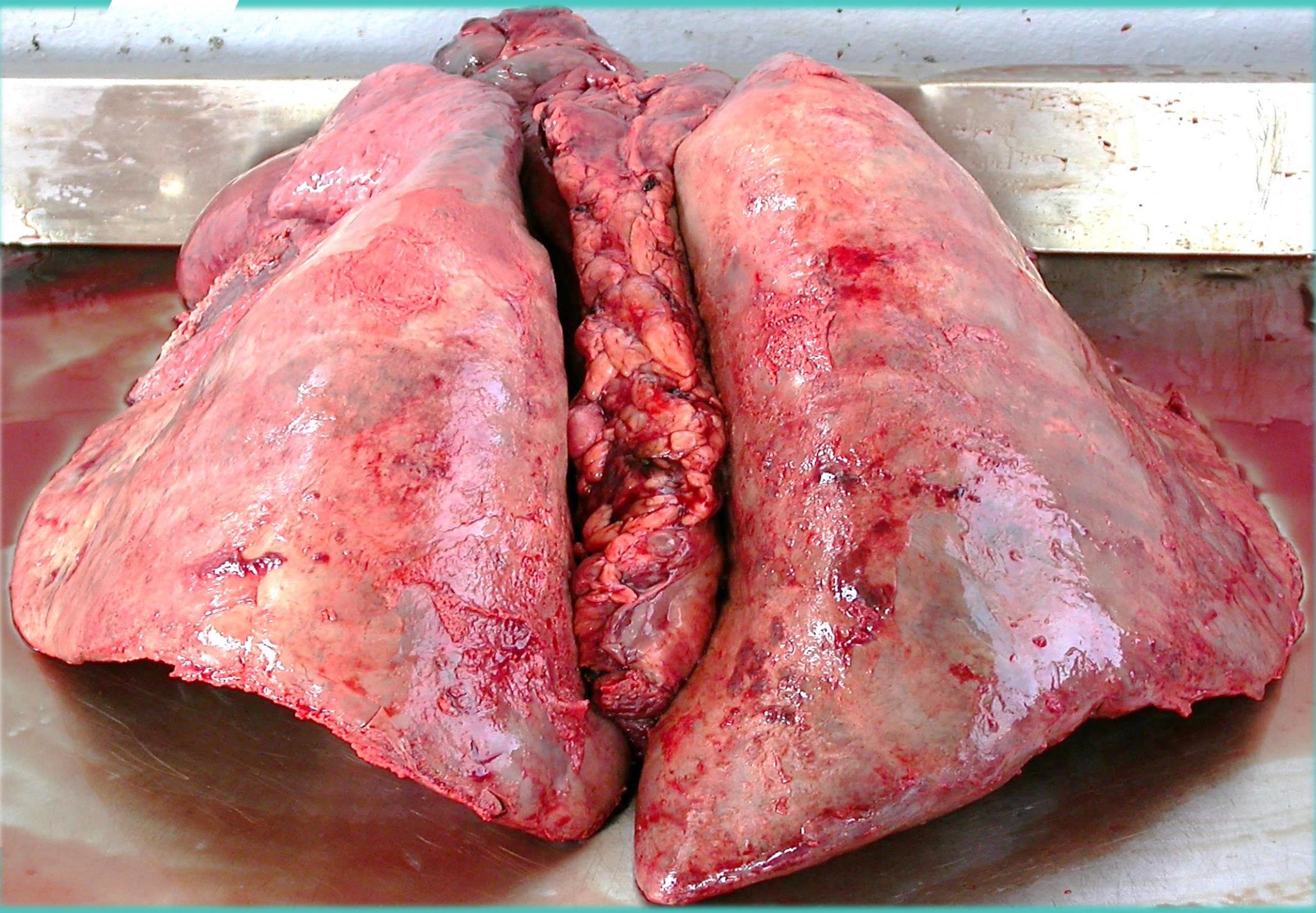
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Date **11-05-2015**  
**T7 ID 001/D20**



Source: **G. Muuka-Zambia**

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# CBPP ACUTE AND SUB ACUTE LESIONS

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# PLEURA

## Acute-Subacute Lesions



# Pleural Lesions

## Acute-Sub Acute

- Presence of fibrinous exudate in the thoracic cavity

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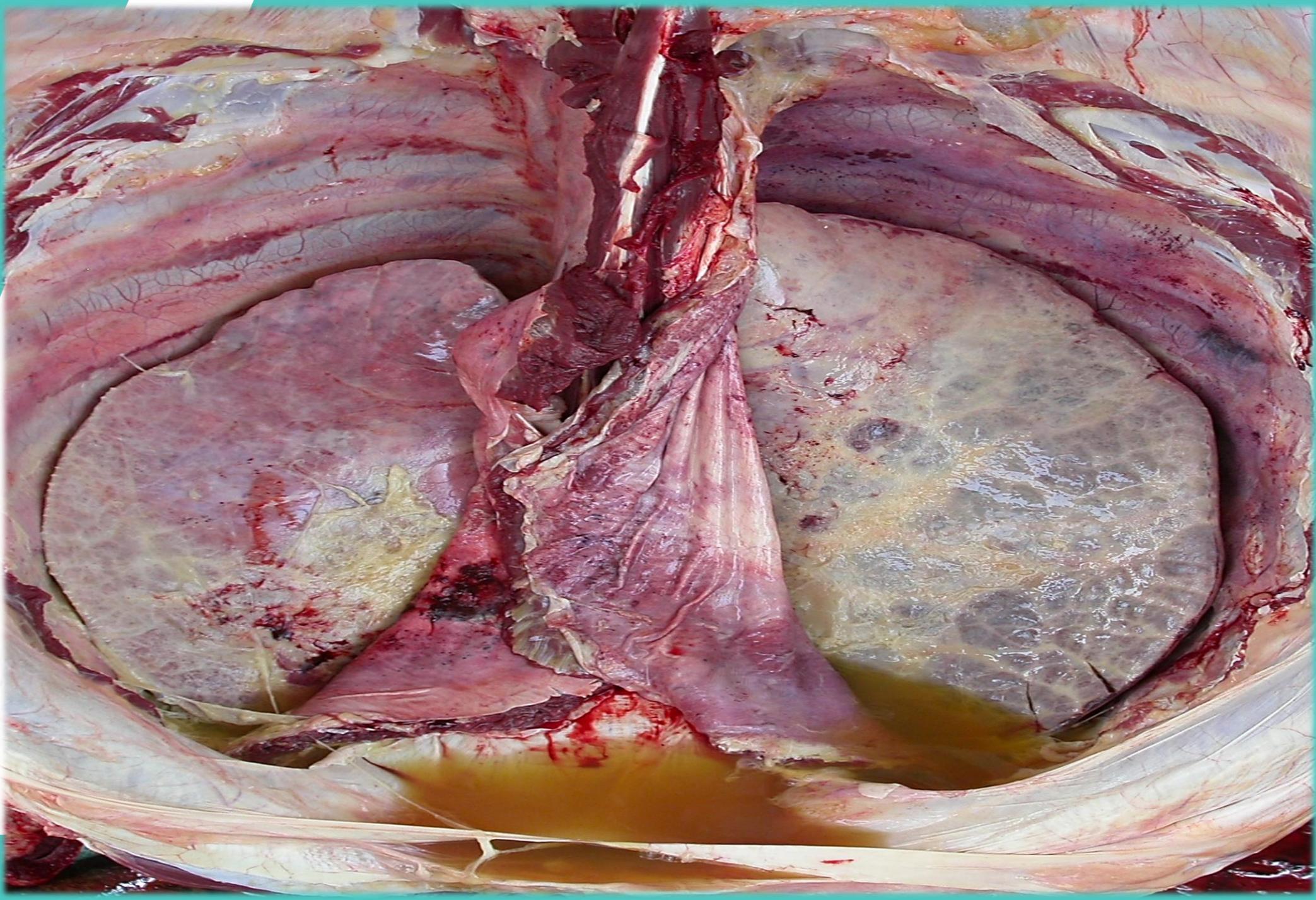
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**T7 008 D22**

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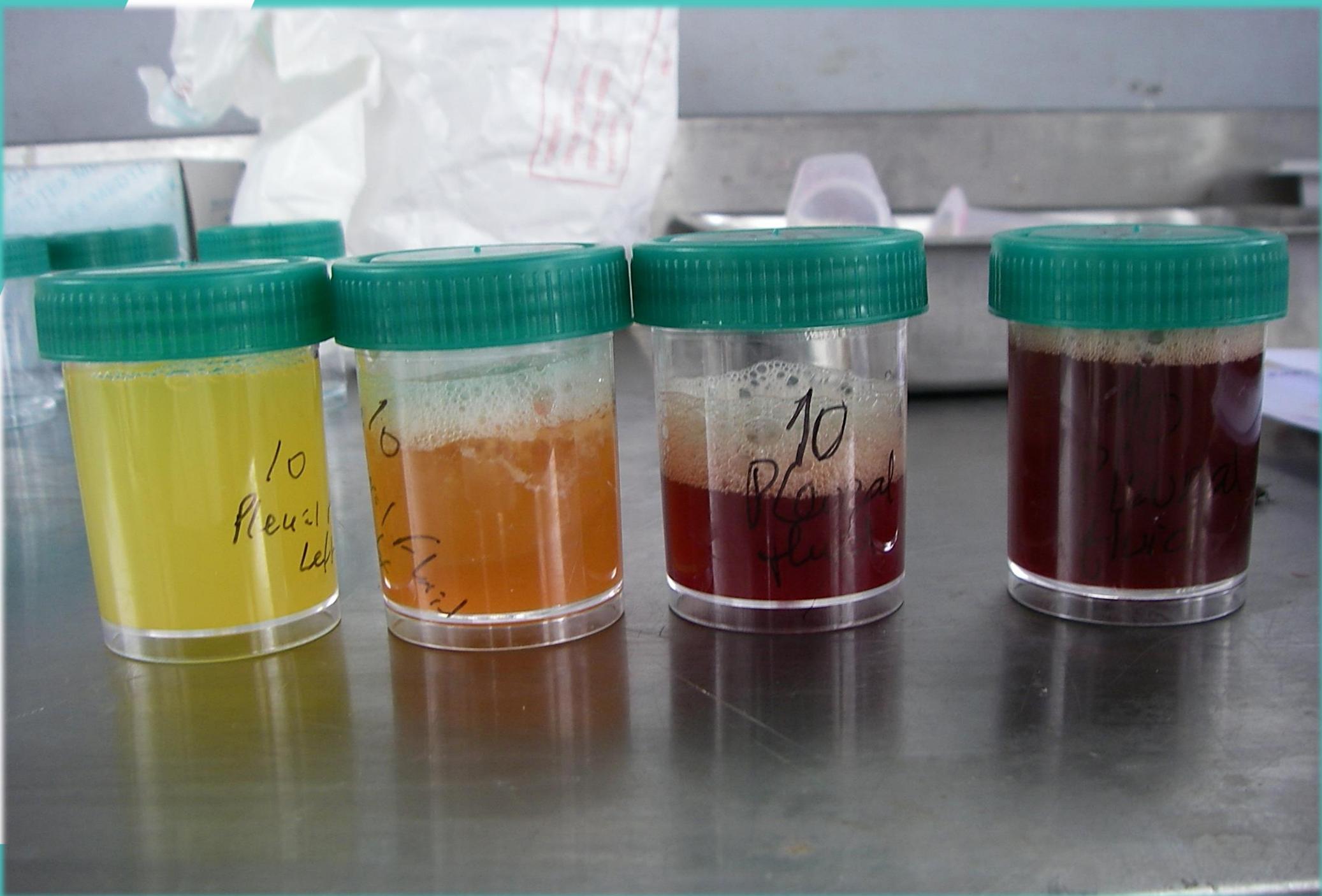
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# Pleural Lesions

## Acute-Sub Acute

- Fibrinous pleurisy and pericarditis

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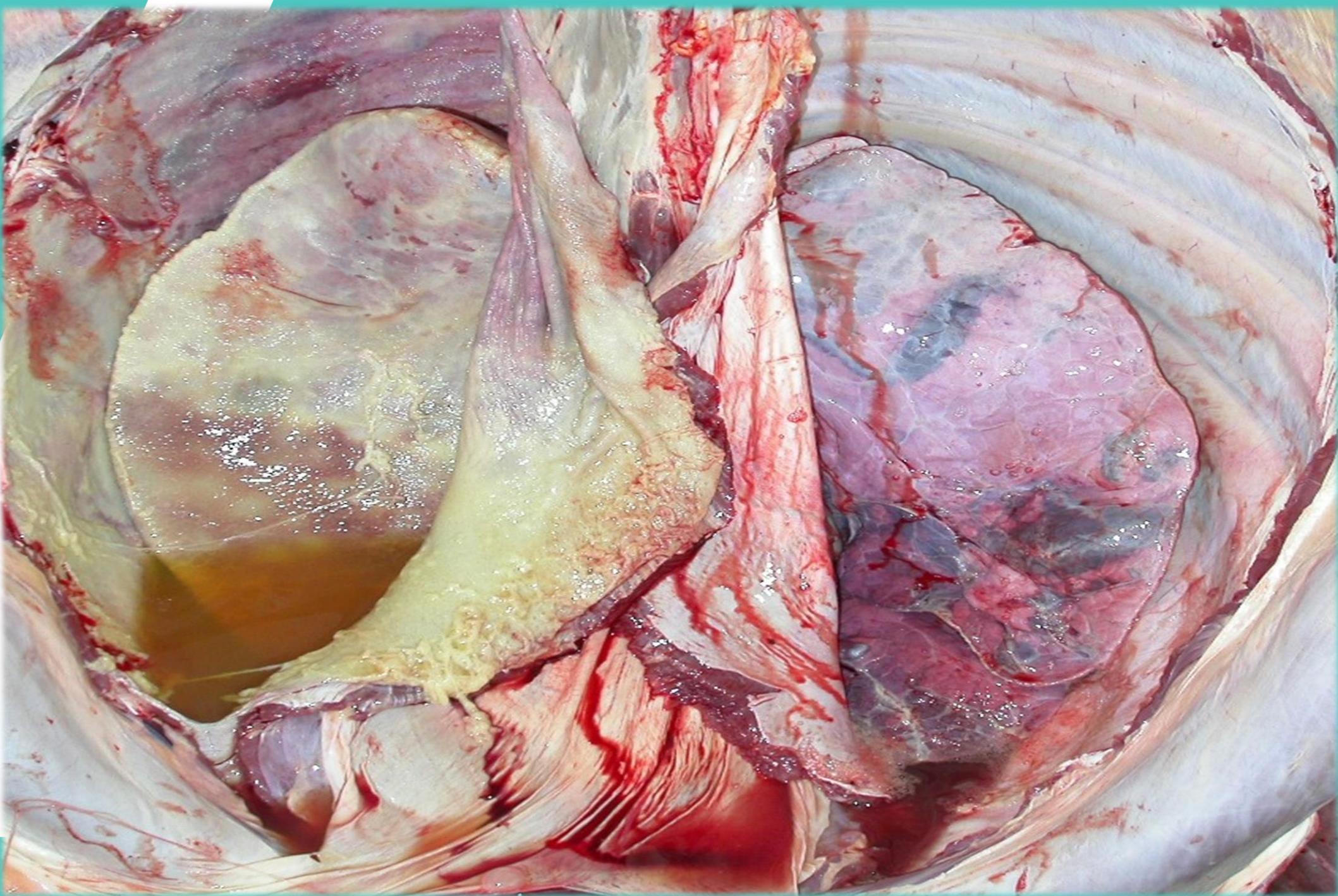
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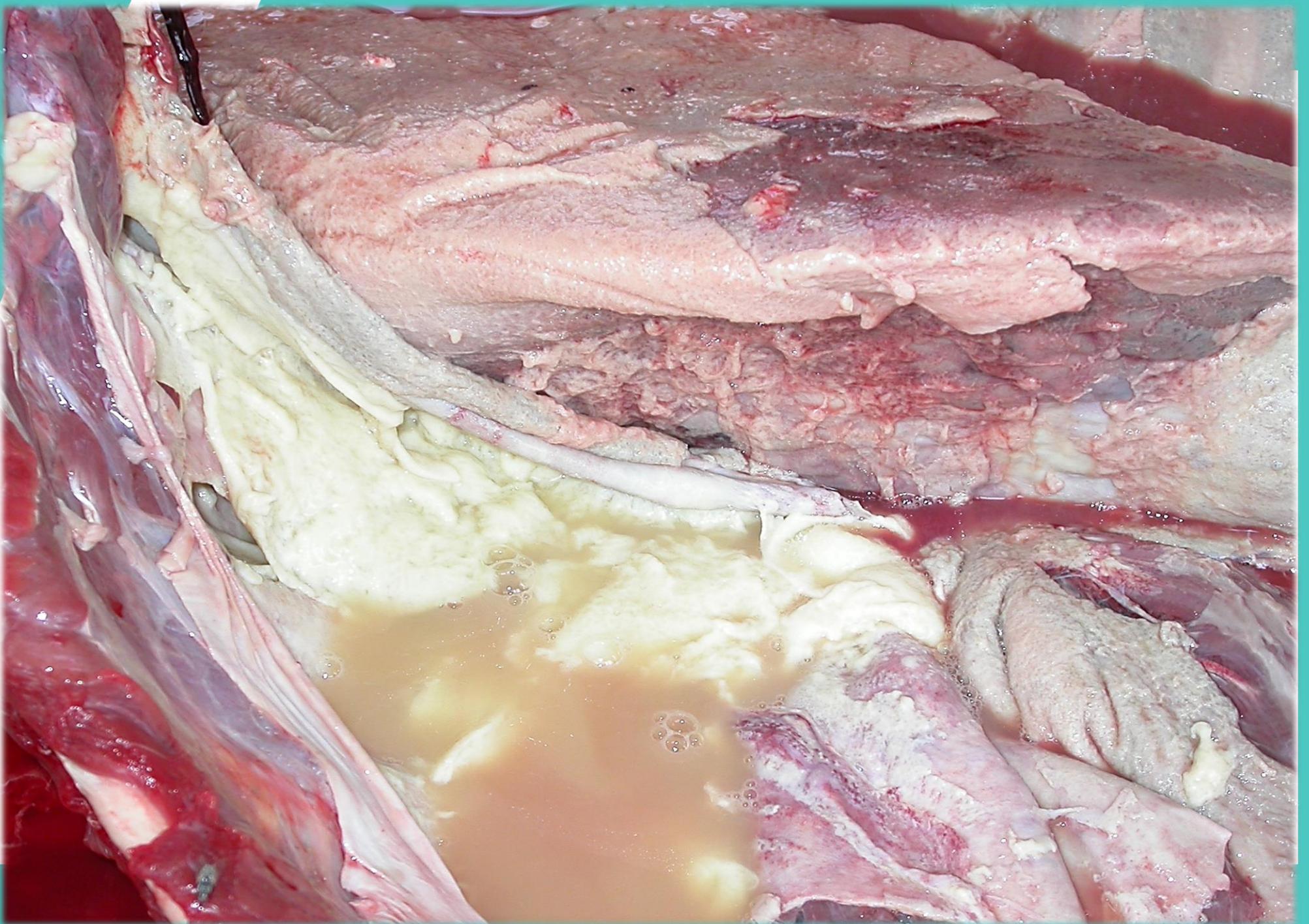
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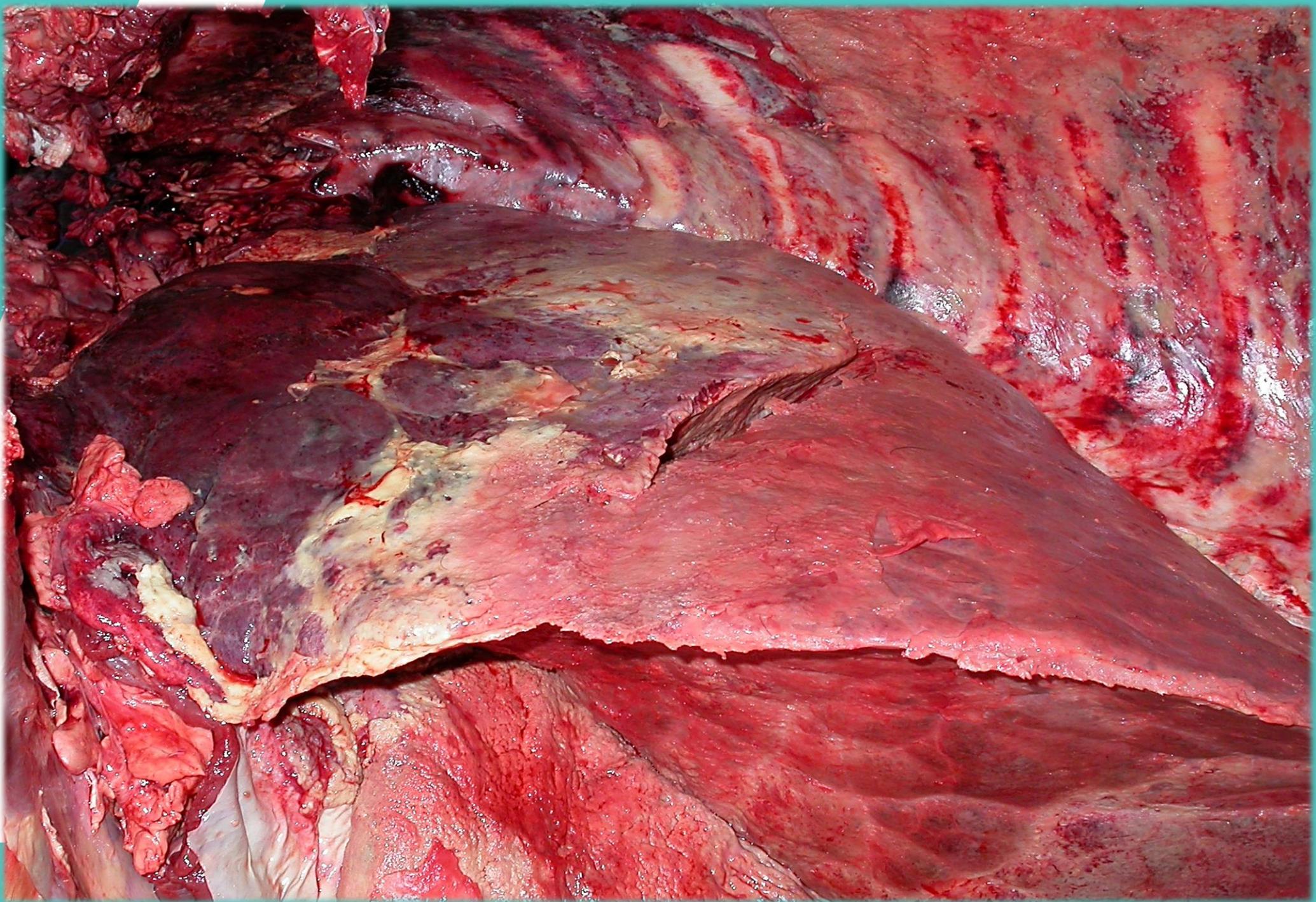
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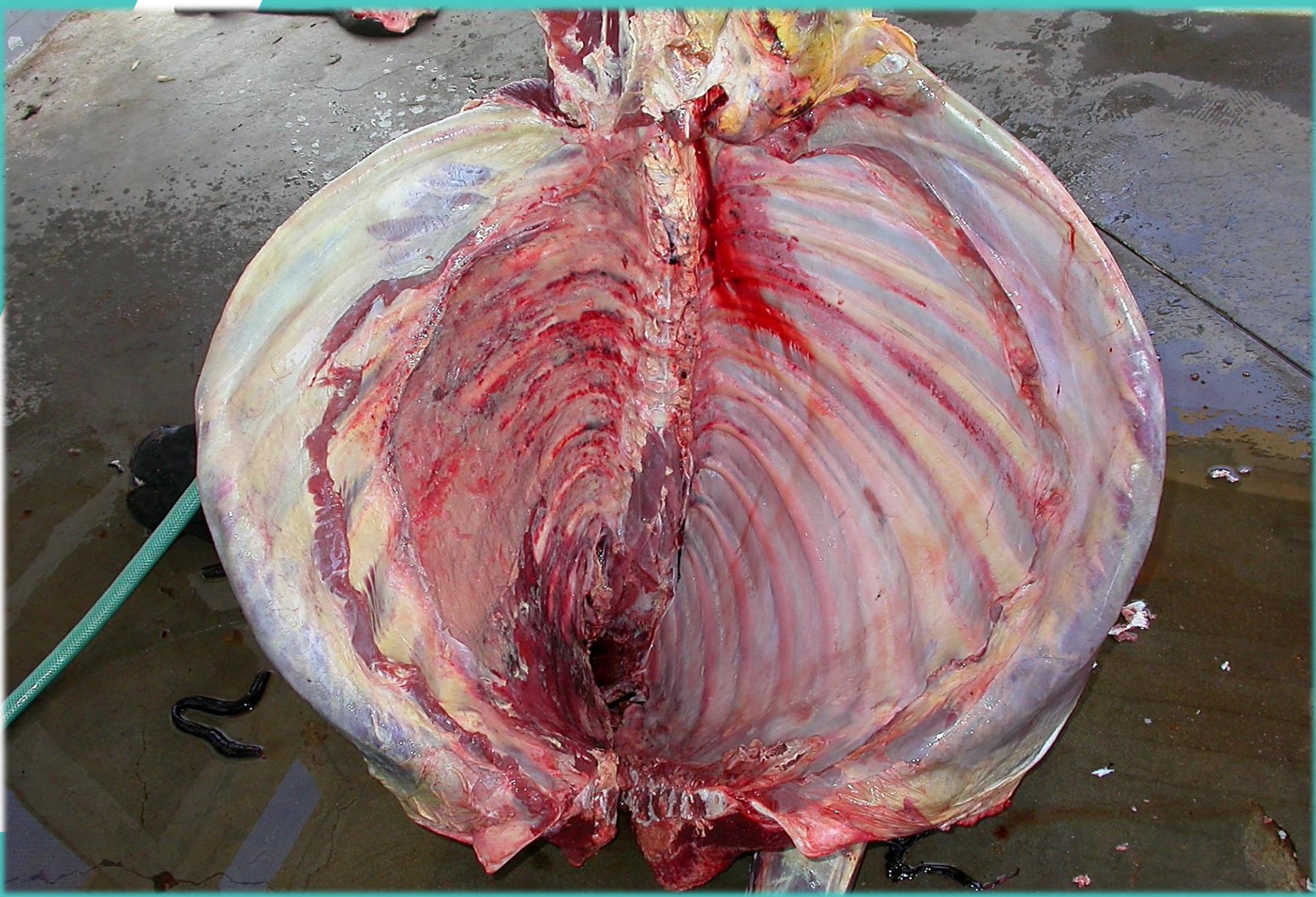
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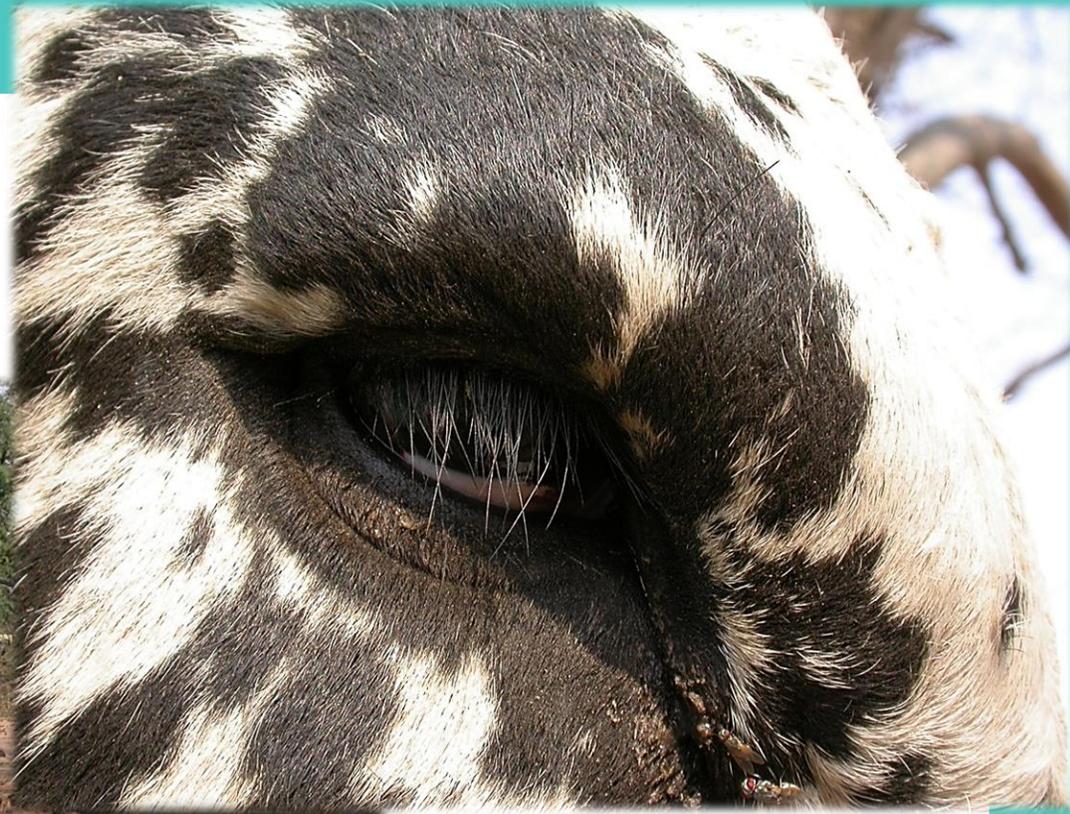
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# LUNG

## Acute- Subacute Lesions



# Lung Lesions

## Acute-Sub Acute

- Usually lesions affecting only one lung

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# Lung Lesions

## Acute-Sub Acute

- Red and gray hepatization
- Thickening of interlobular septa
- Pulmonary necrosis

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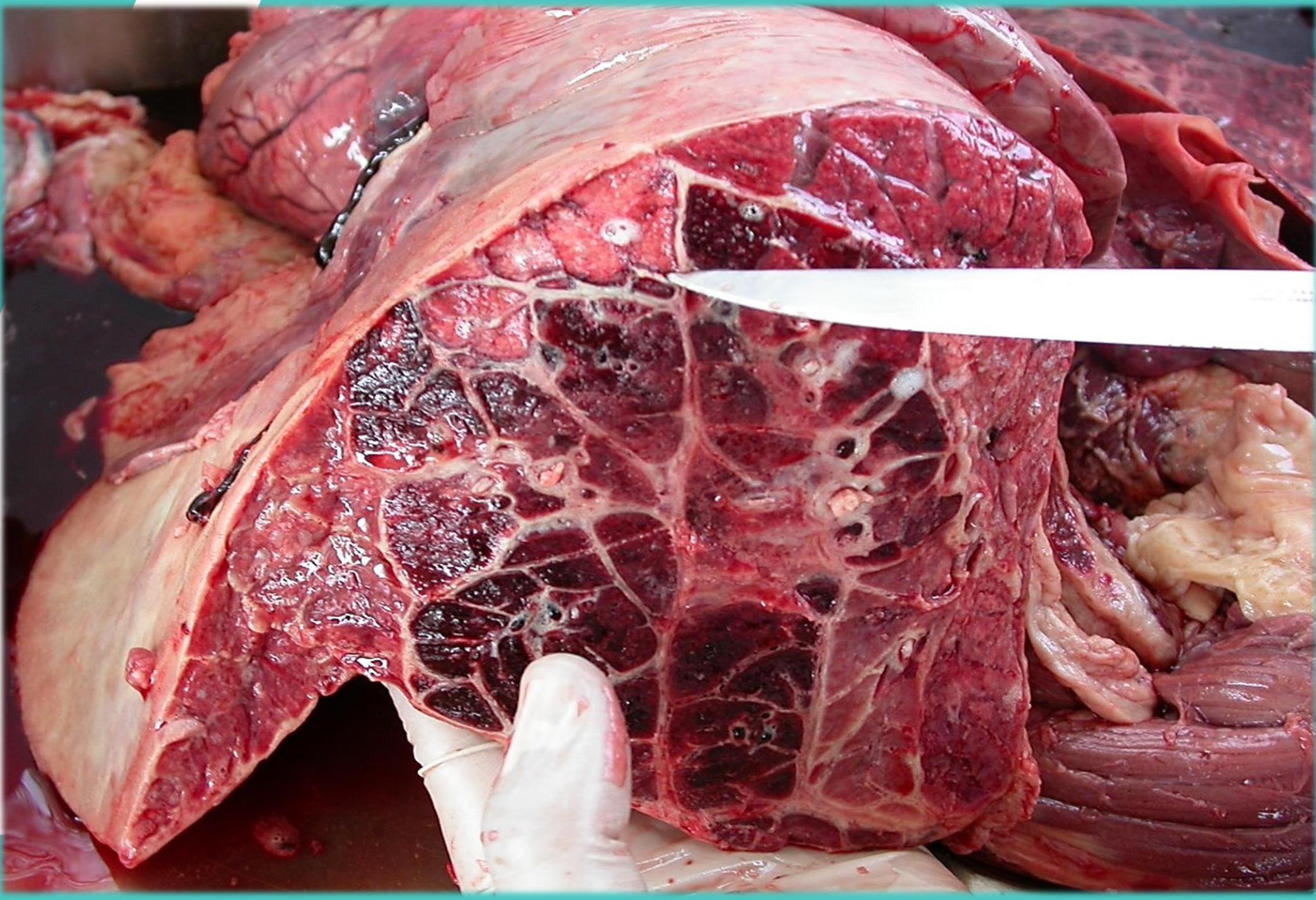
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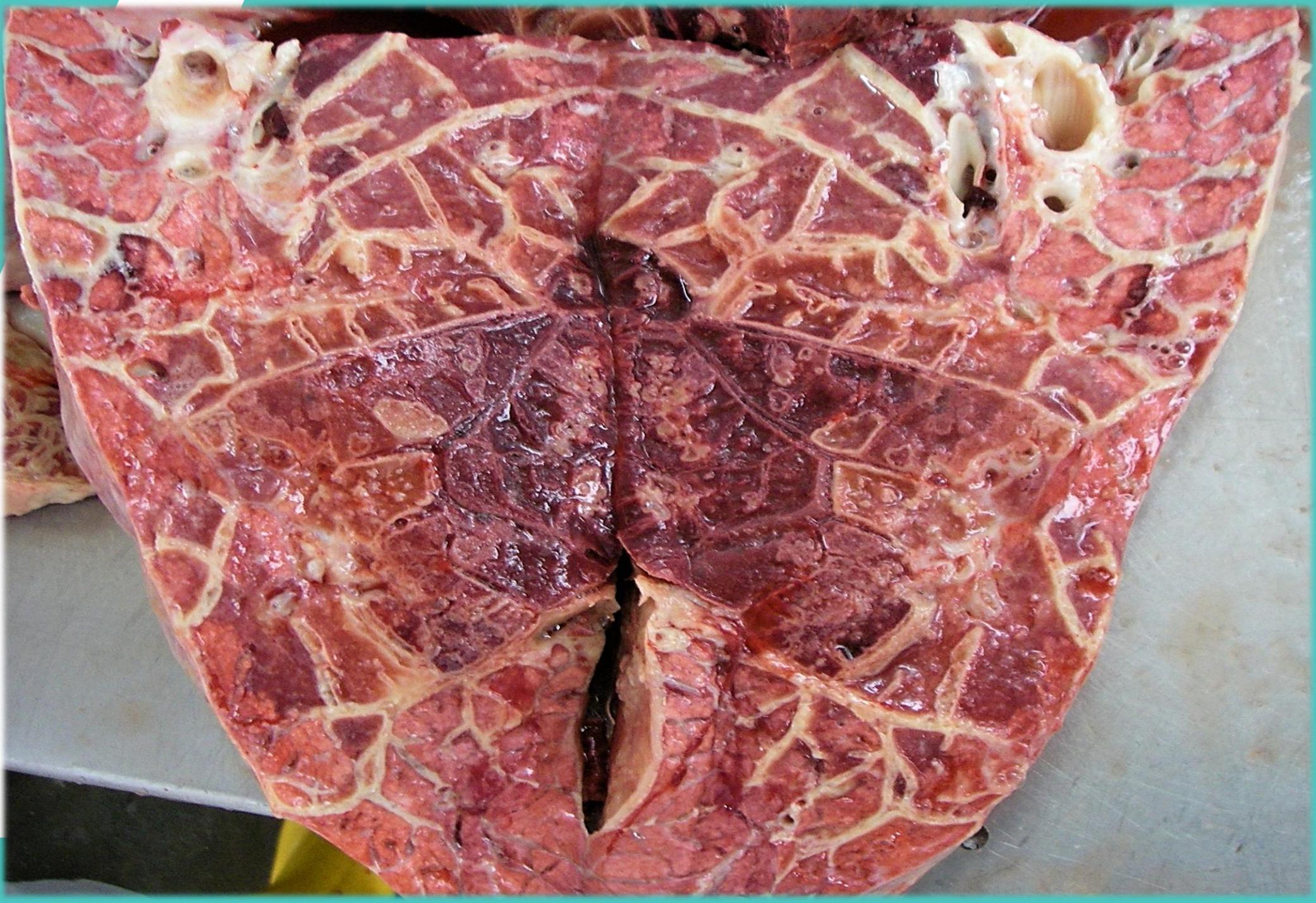
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# Lung Lesions

## Acute-Sub Acute

- Red and gray hepatization
- Thickening of interlobular septa

**One example**

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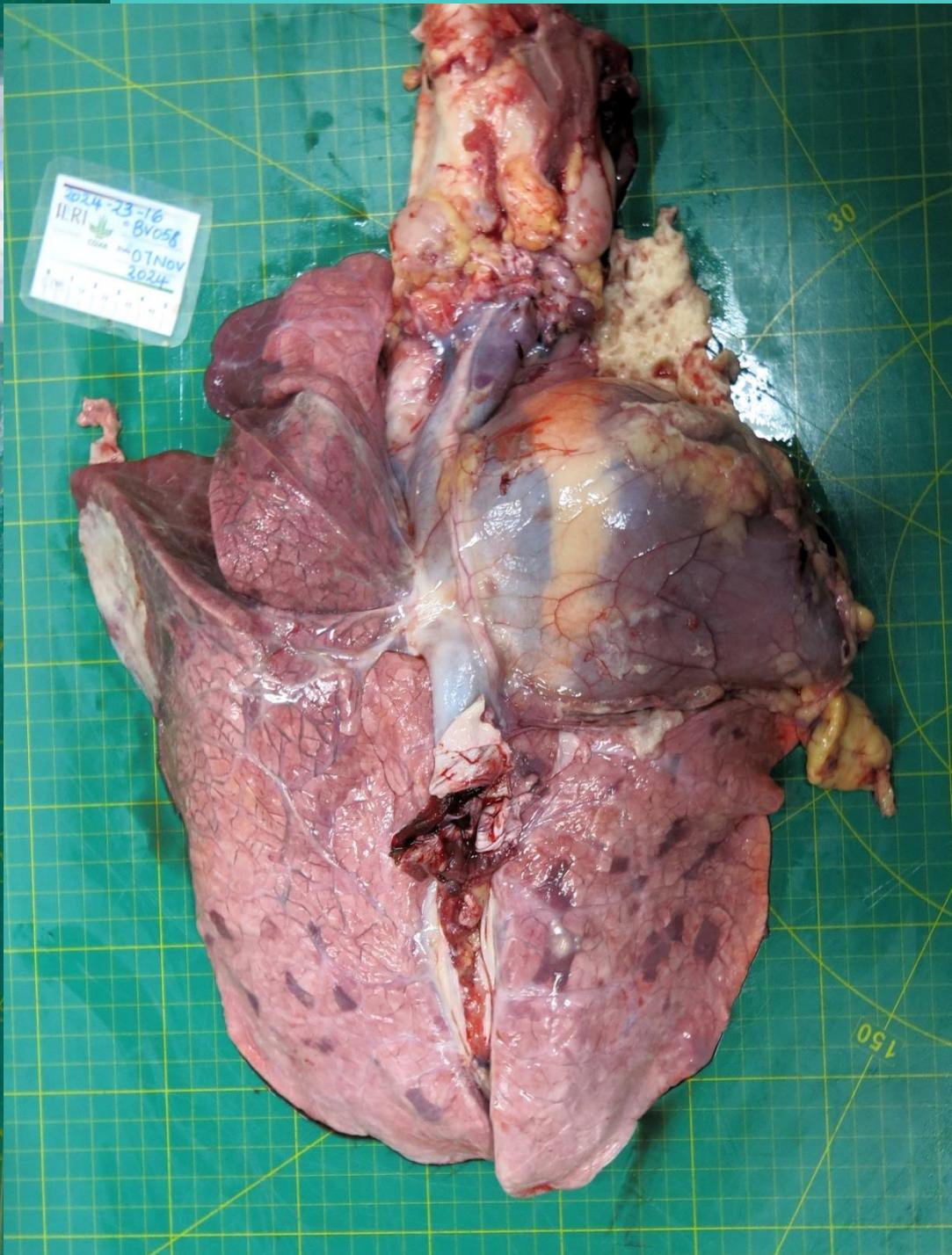
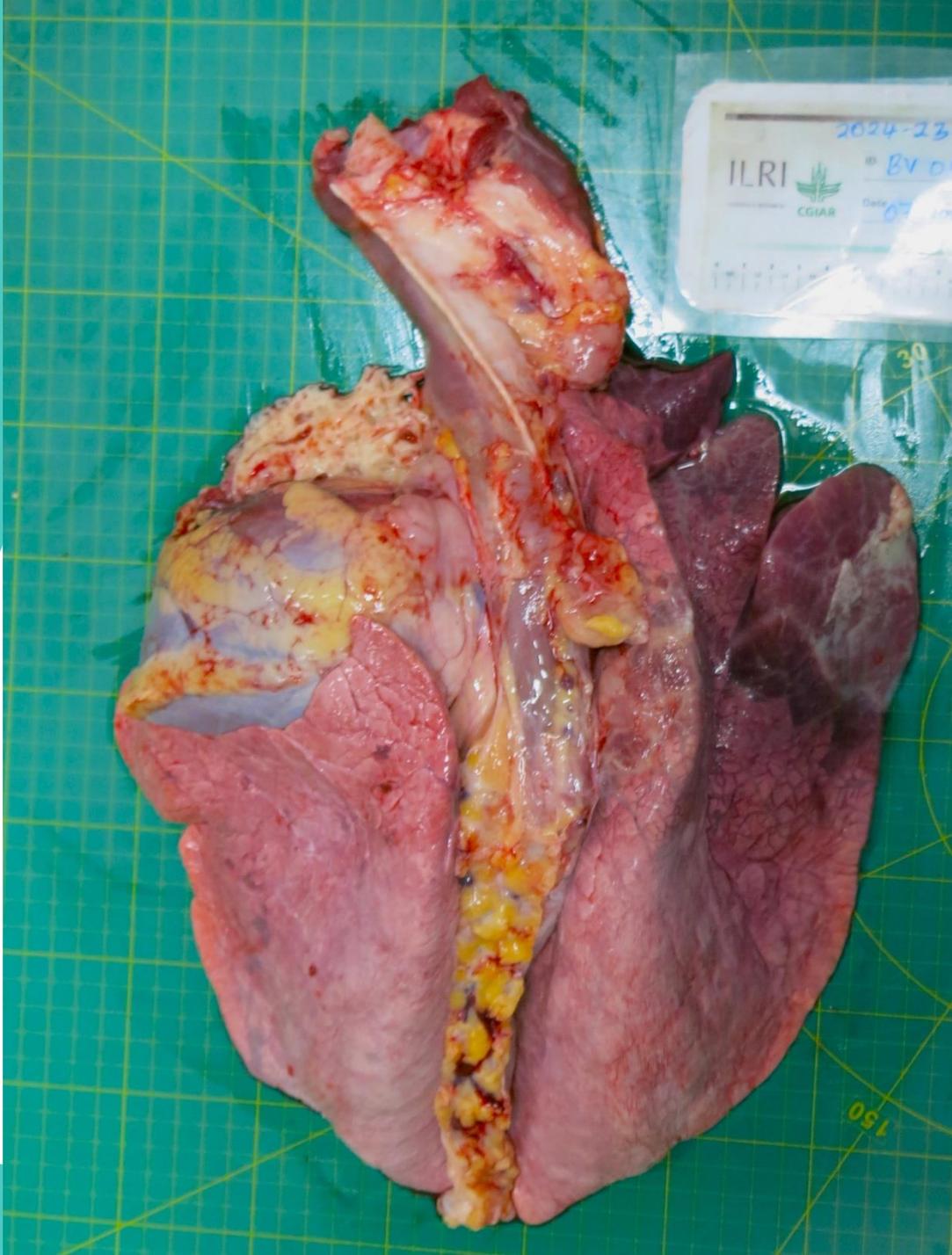
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# Lung Lesions

## Acute-Sub Acute

- Pulmonary necrosis

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# LYMPH NODES

## Acute–Sub Acute Lesions



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# Lymph nodes

## Acute-Sub Acute

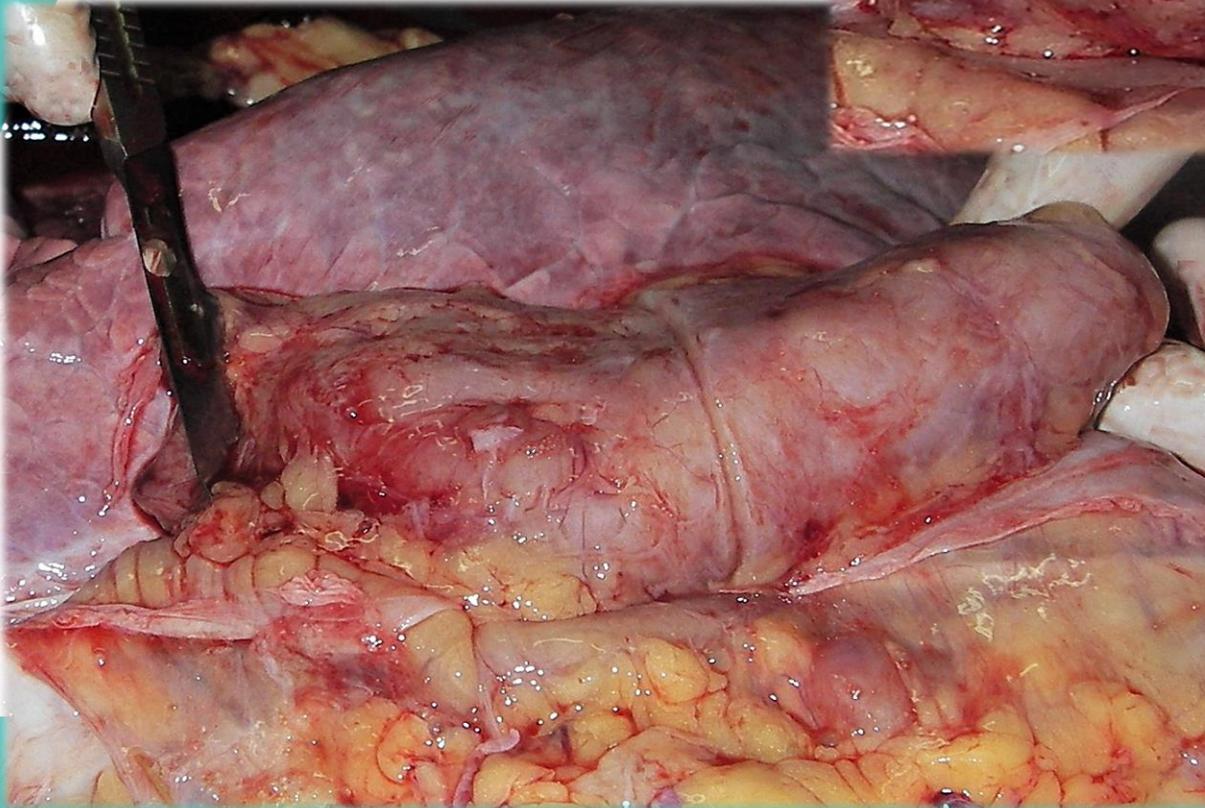
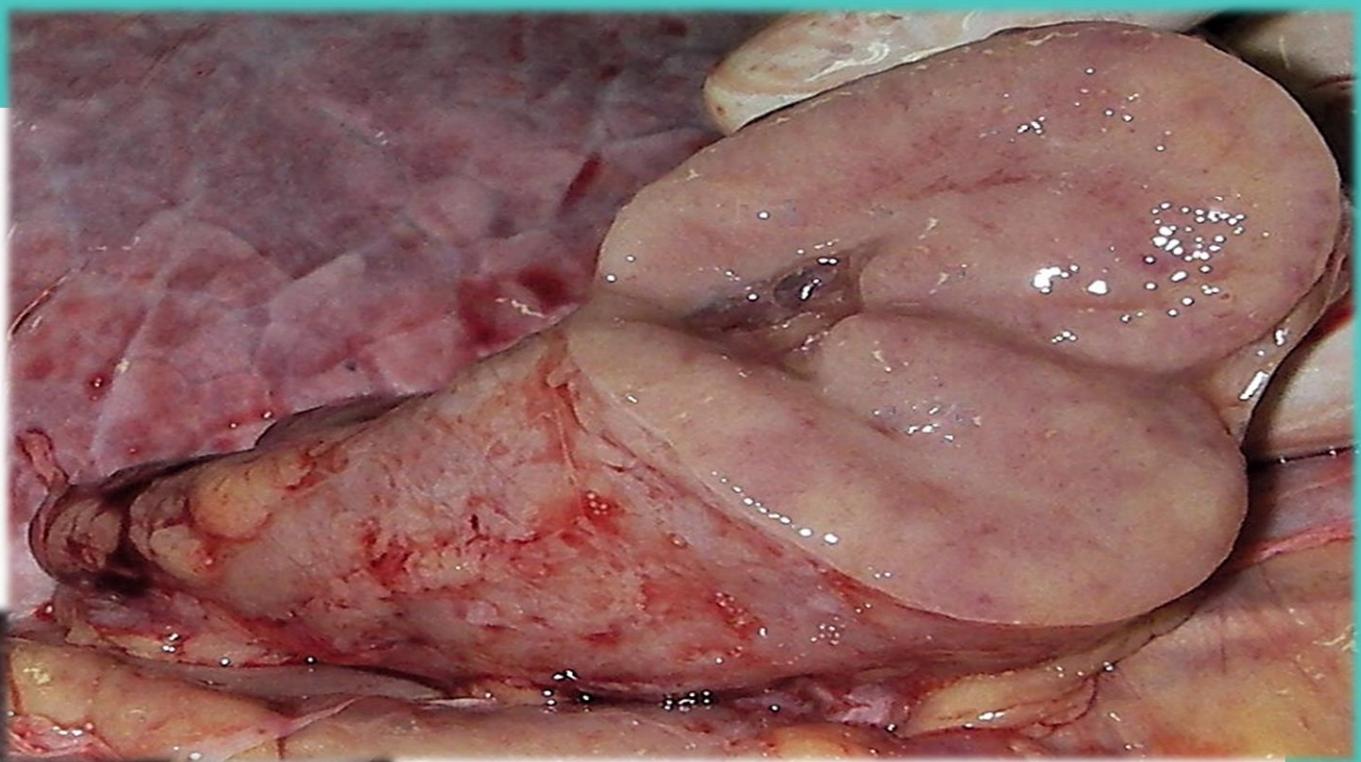
- Enlarged and haemorrhagic lymph nodes

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# Lymph nodes

## Acute-Sub Acute

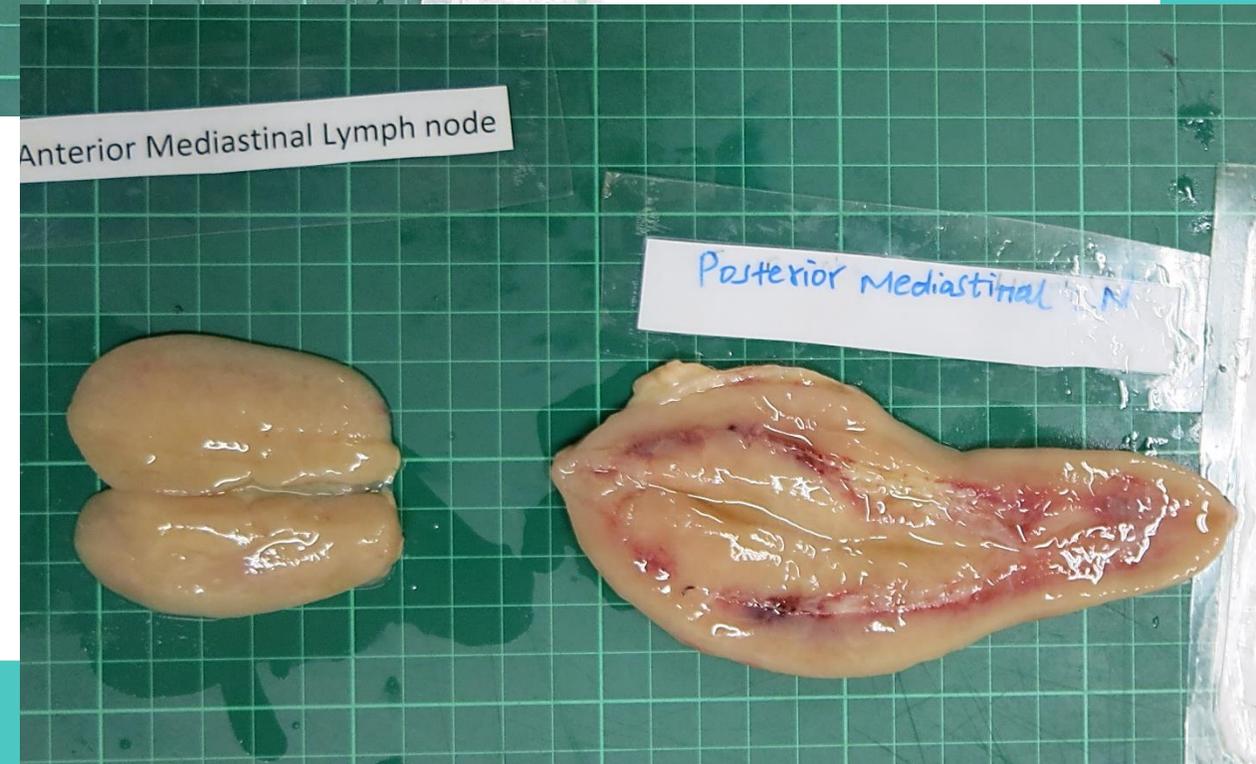
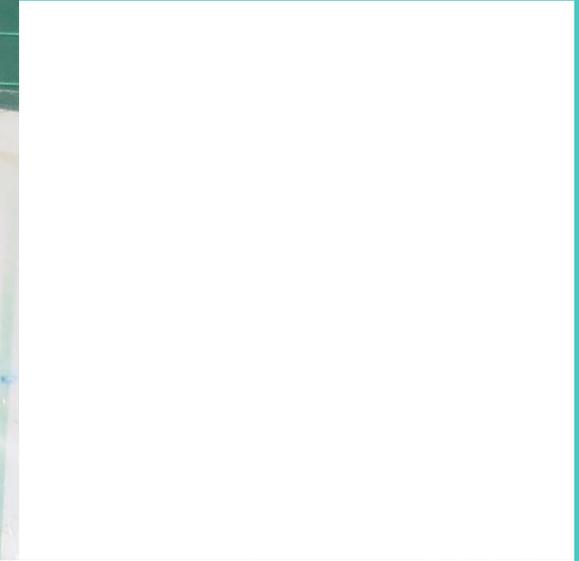
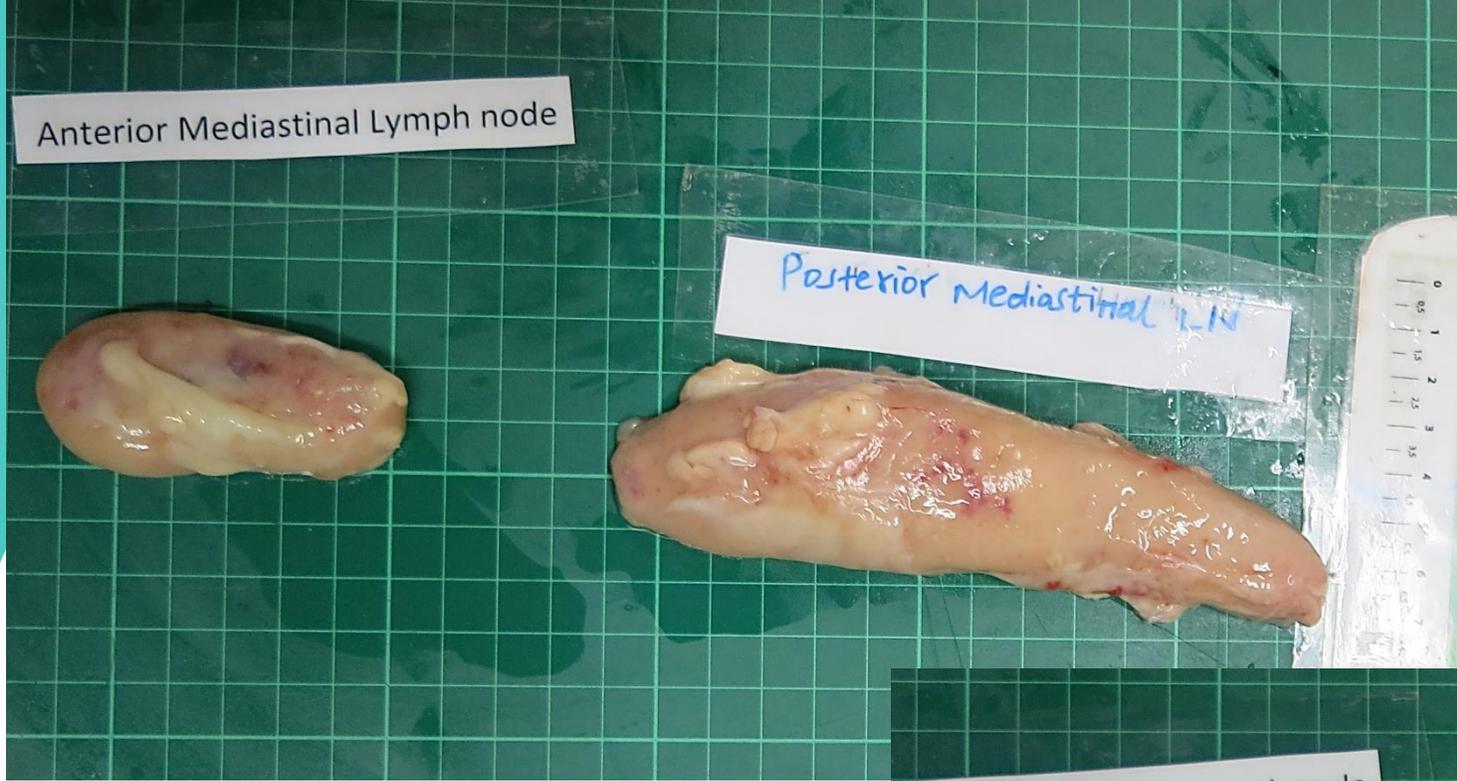
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# CBPP CHRONIC LESIONS

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# PLEURA

## Chronic Lesions



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# Pleural Lesions

## Chronic

- Presence of fibrinous exudate organised in the thoracic cavity

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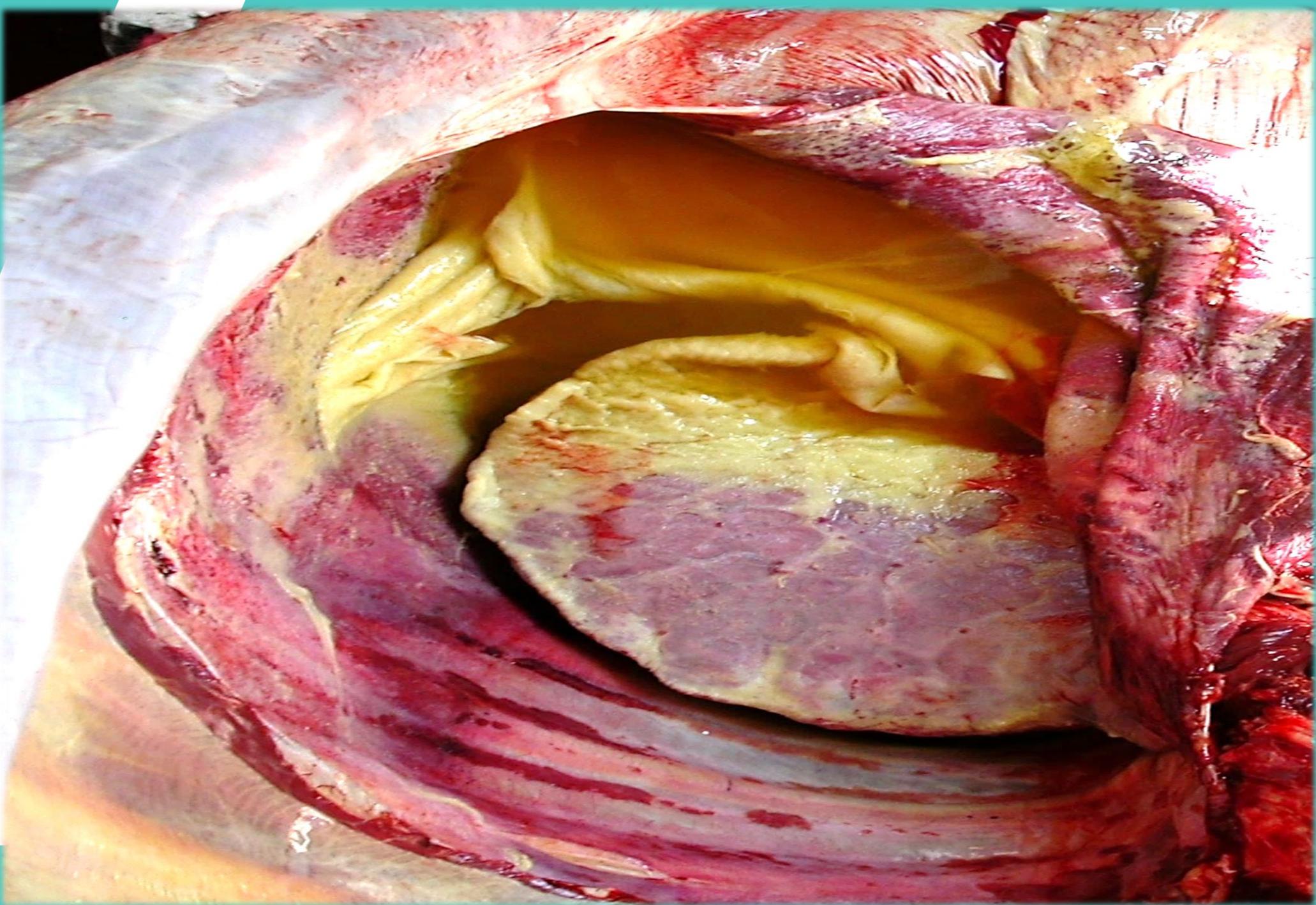
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# Pleural Lesions

## Chronic

- Adhesion between visceral and parietal pleura

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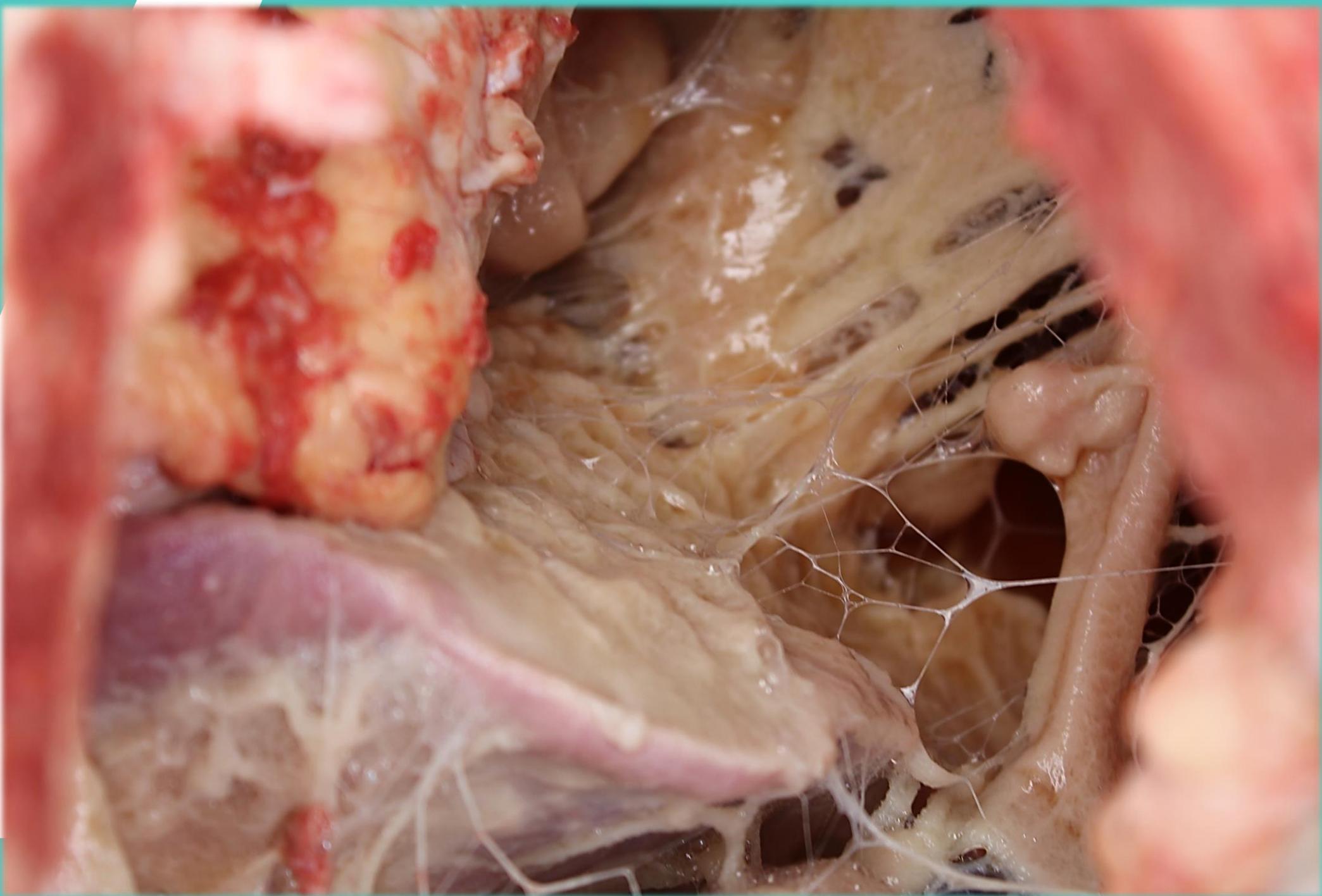
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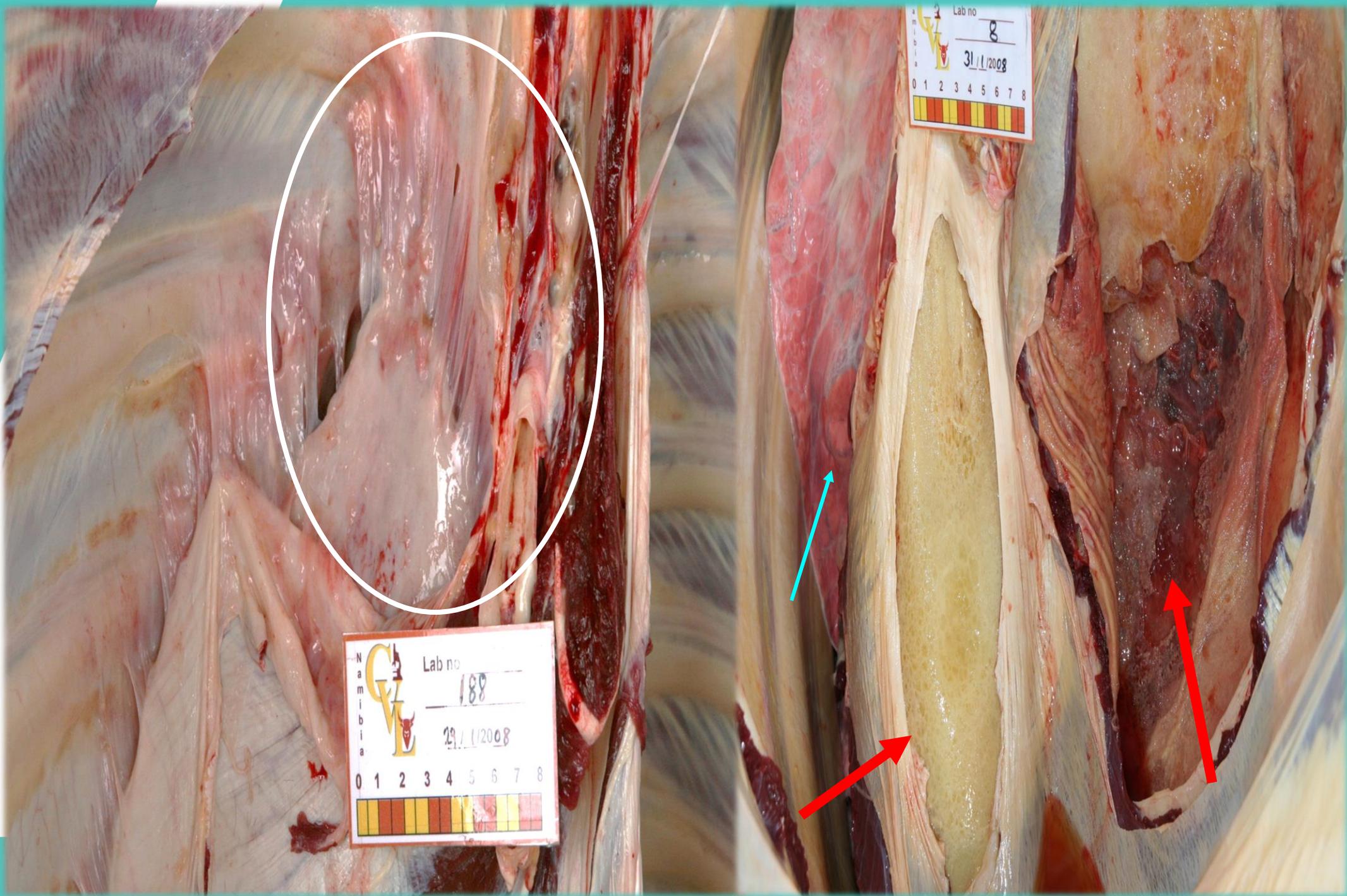
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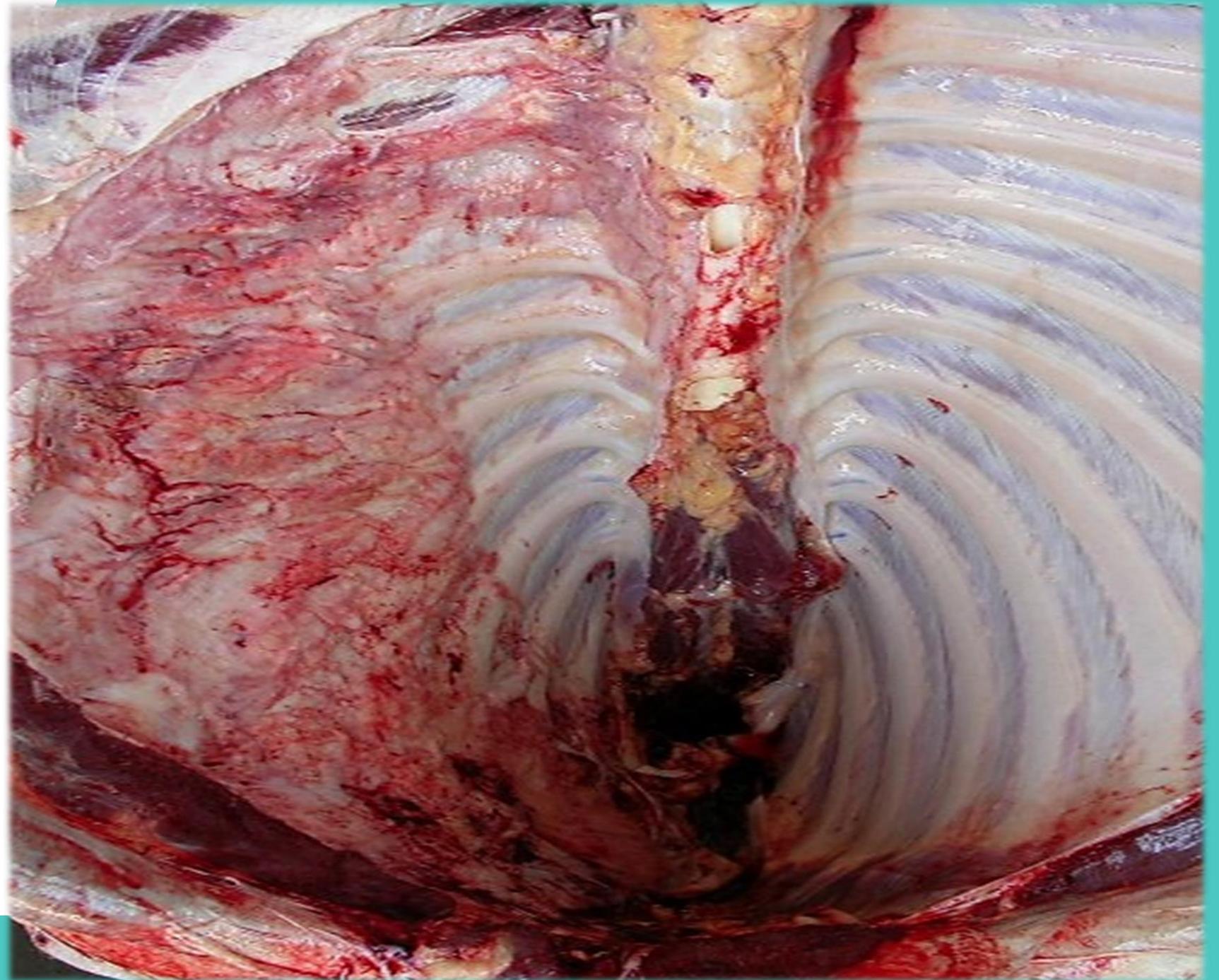


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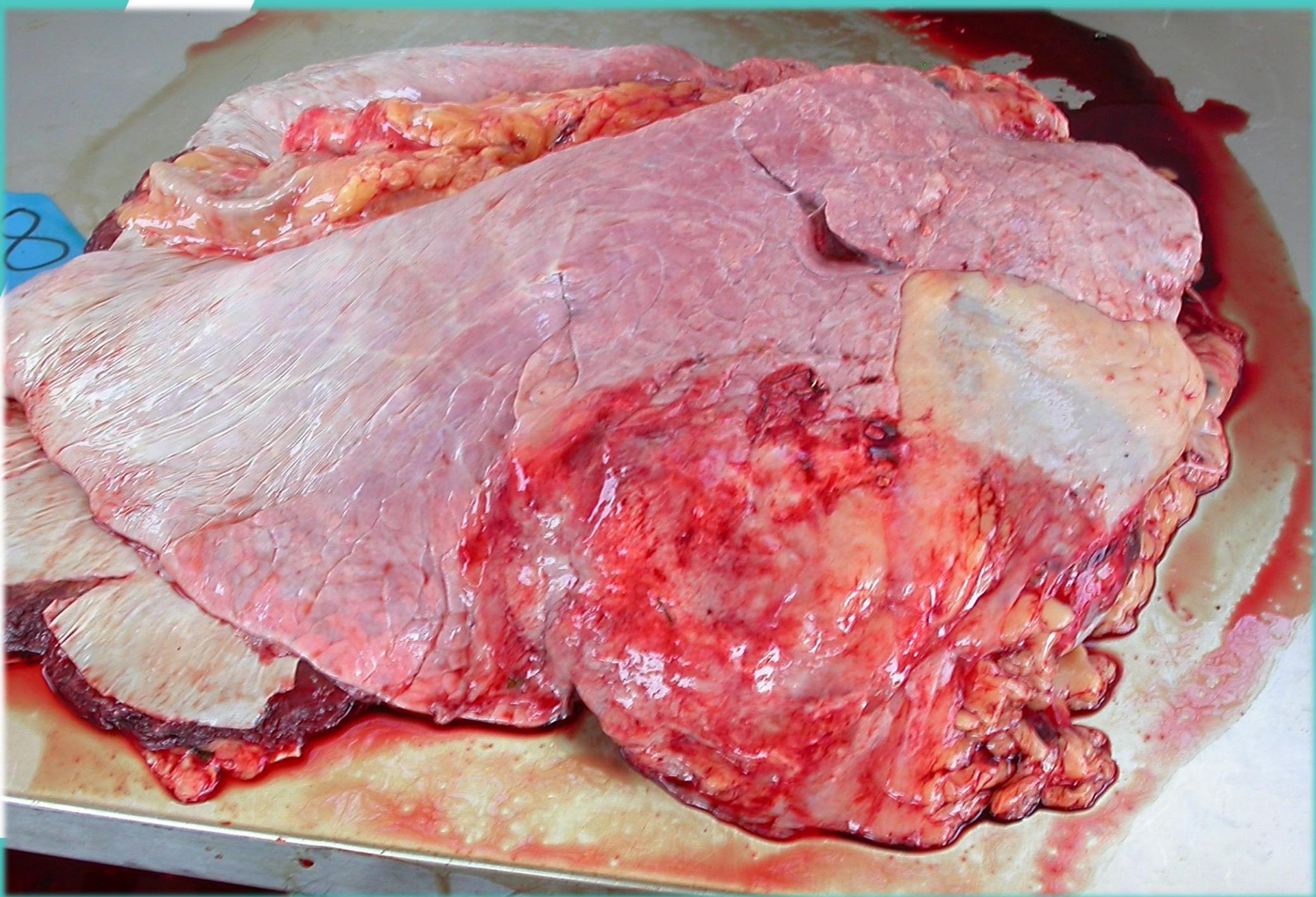
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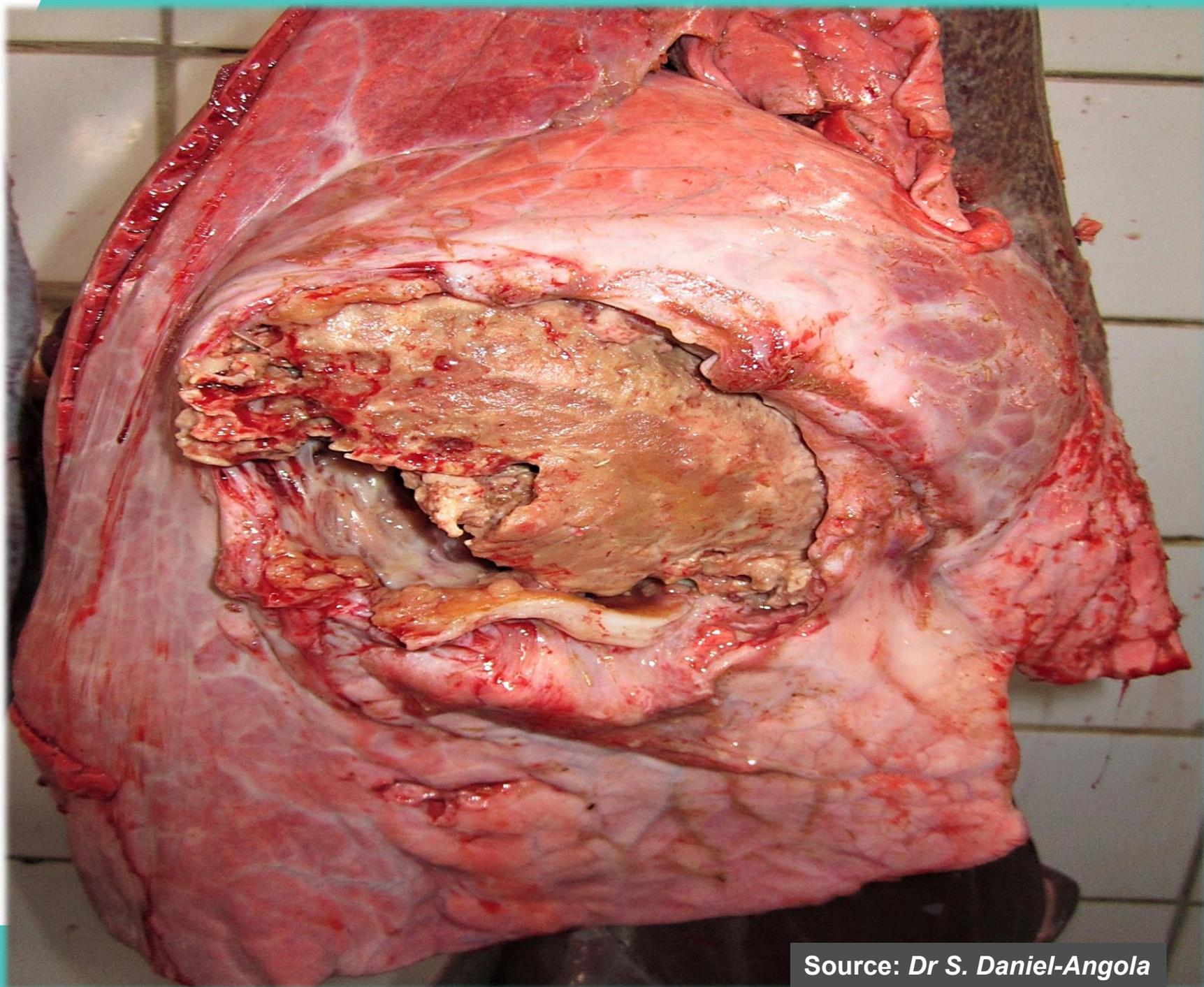


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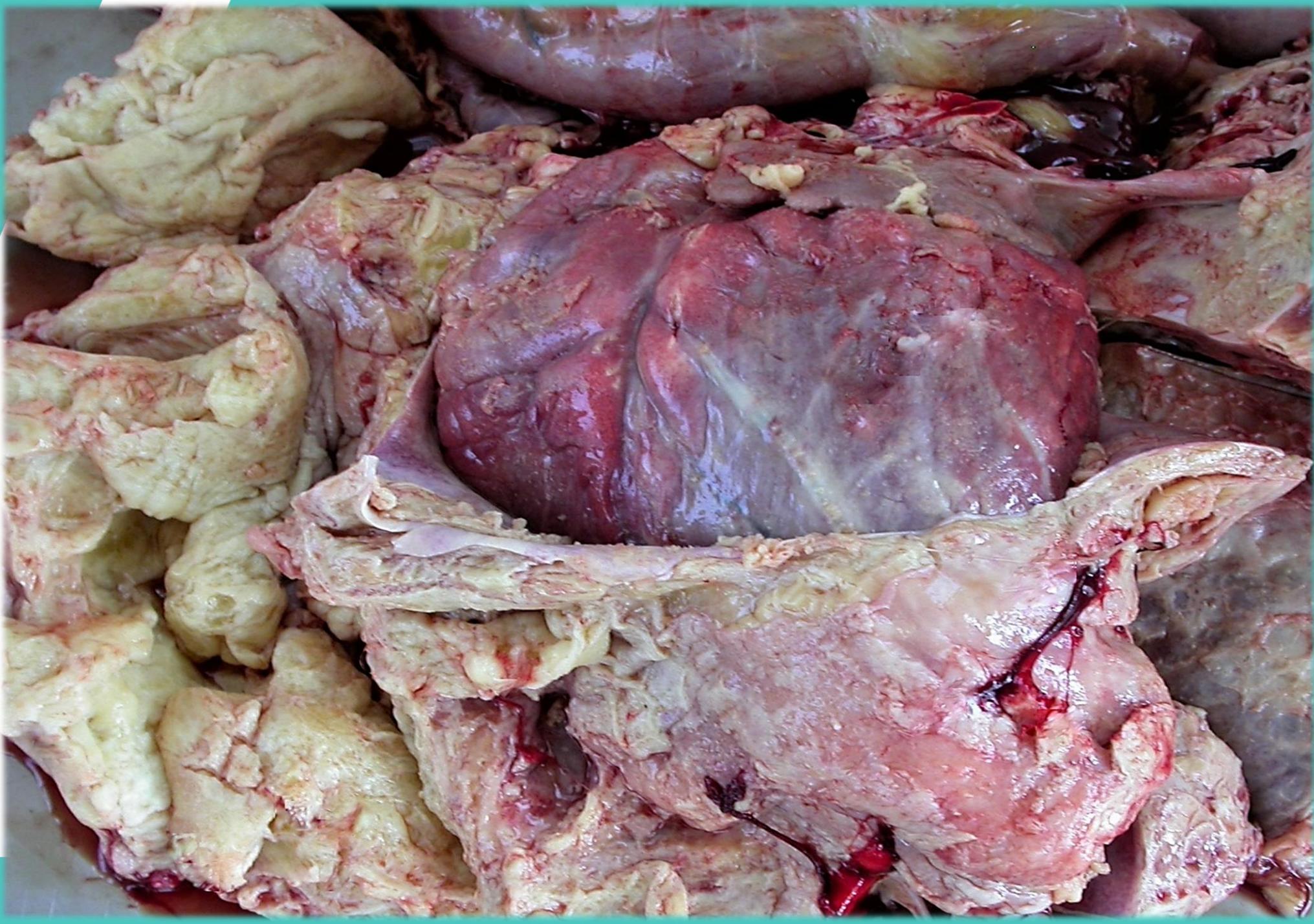
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# Pleural Lesions

## Chronic

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# LUNG

## Chronic Lesions



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# Lung Lesions

## Chronic

- Fibrosis

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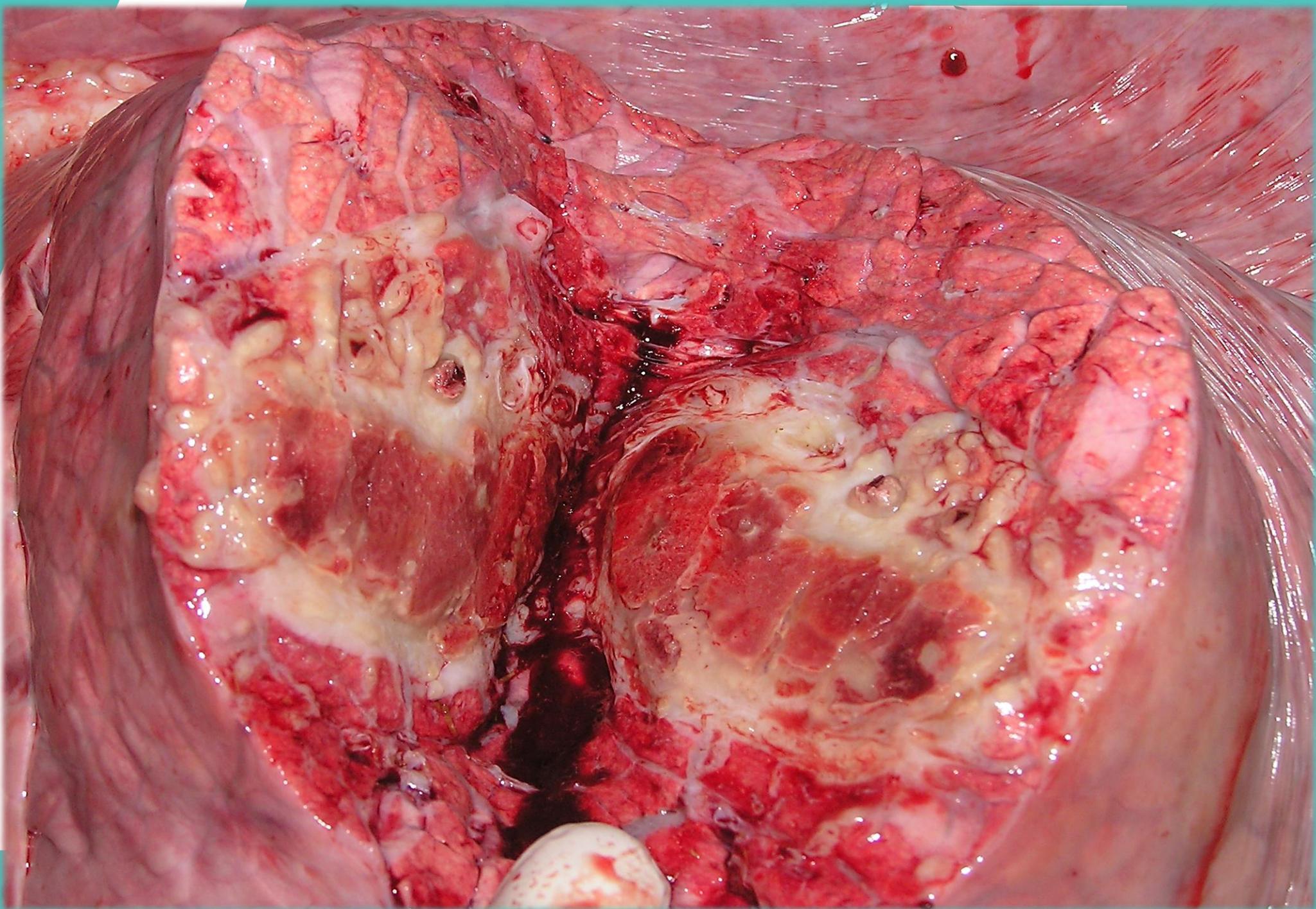
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# Lung Lesions

## Chronic

- Sequestra and Microsequestra

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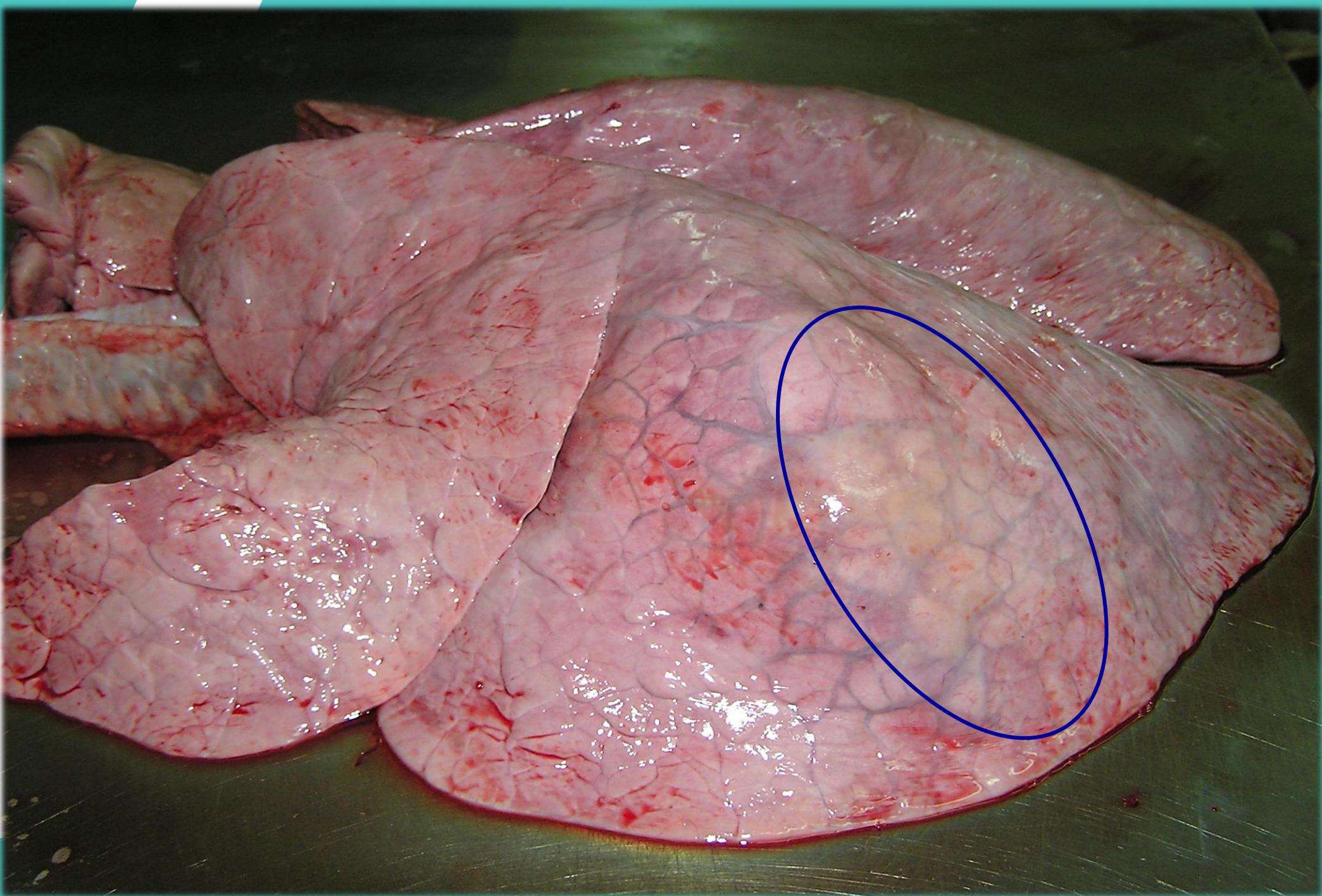
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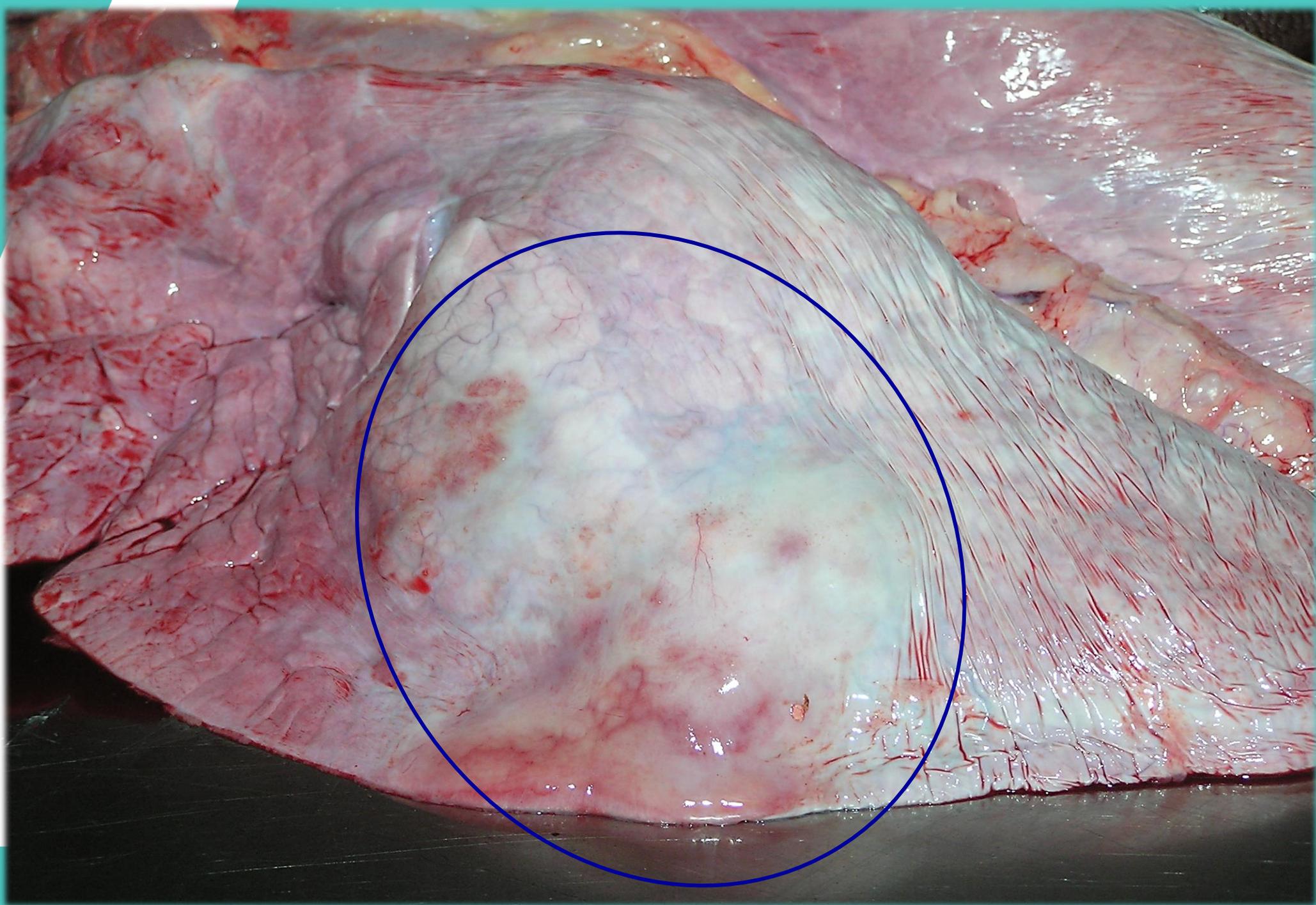


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**CVL**

Lab no 145

29/1/2008

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**CVL**

Lab no 159

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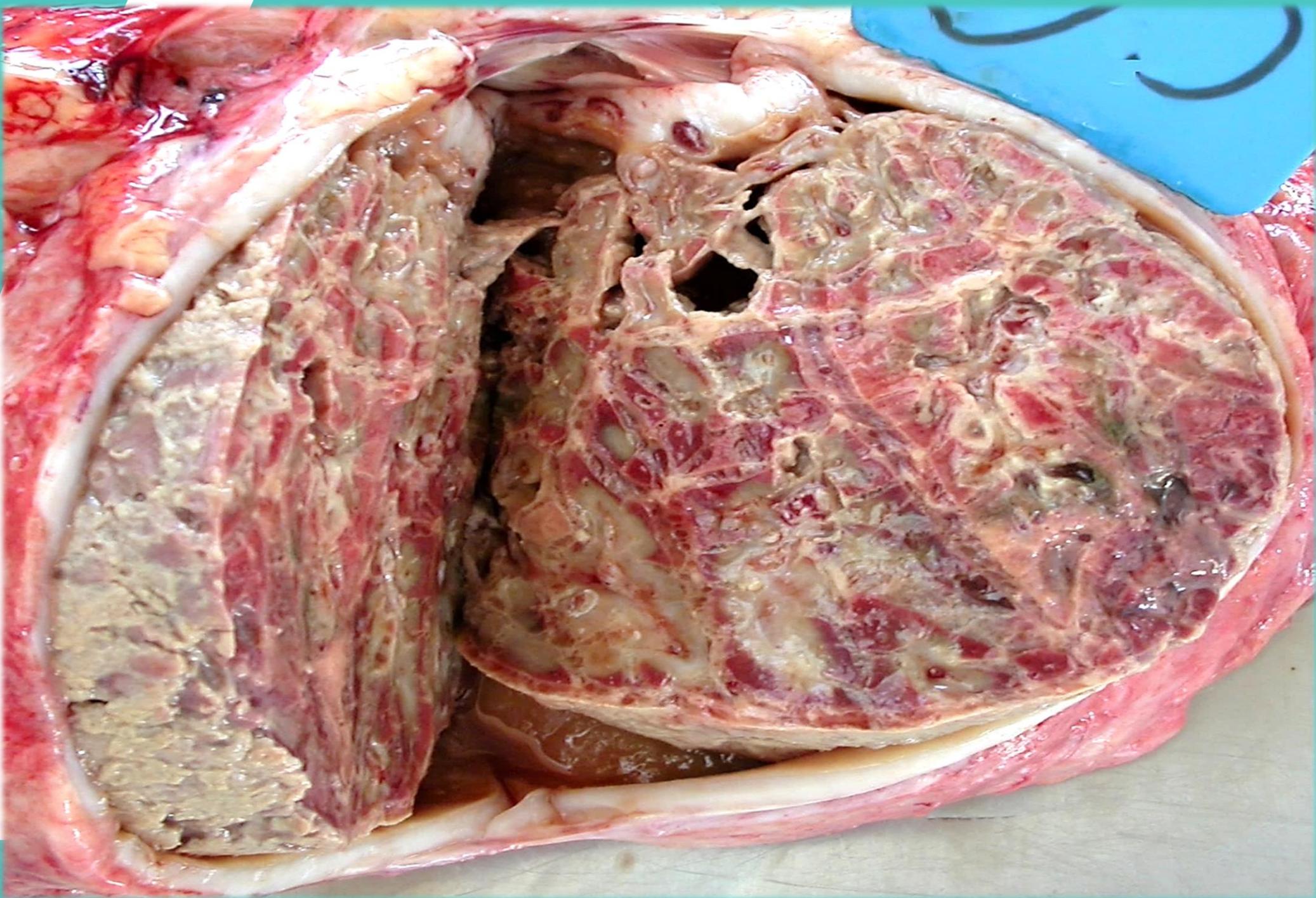
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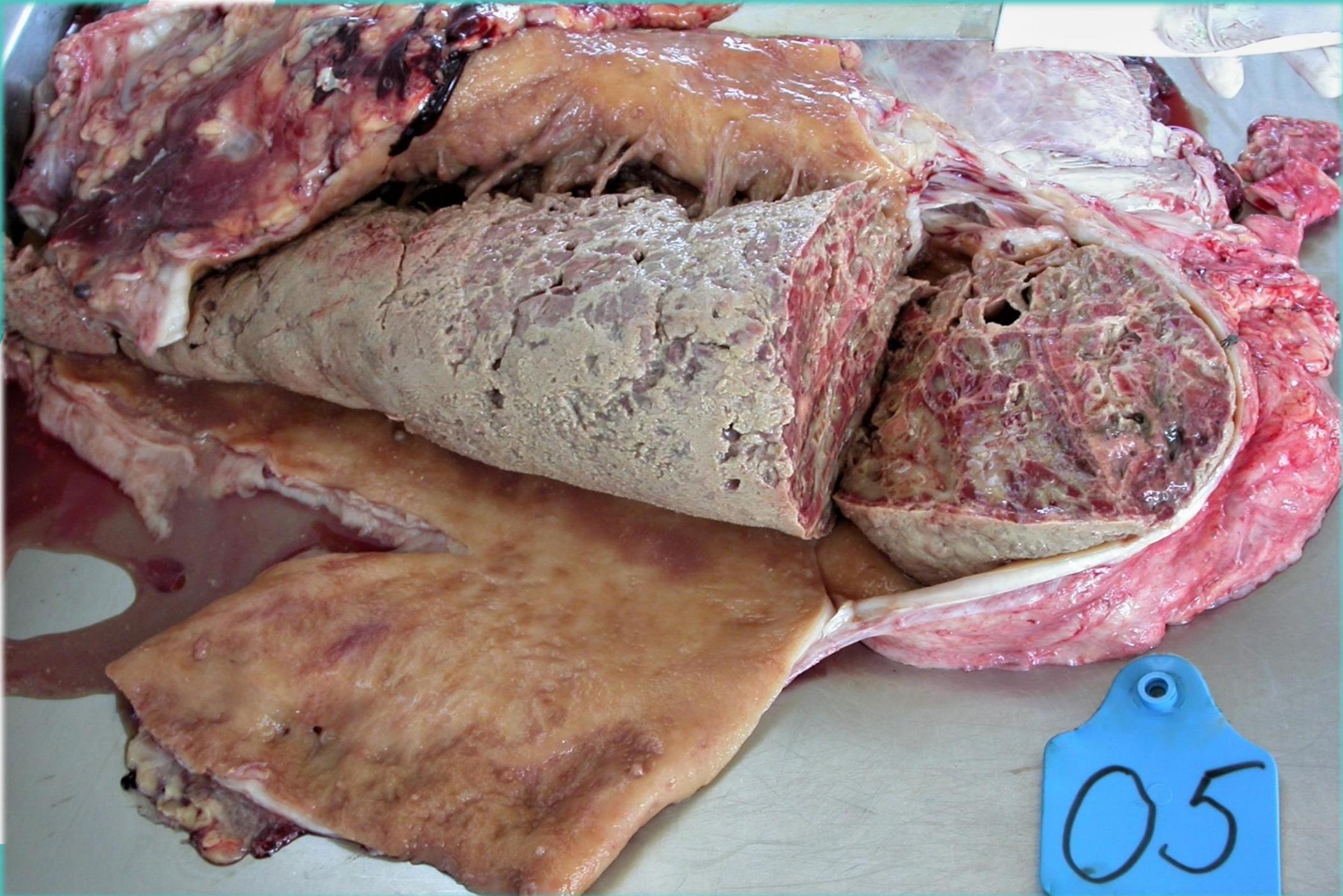
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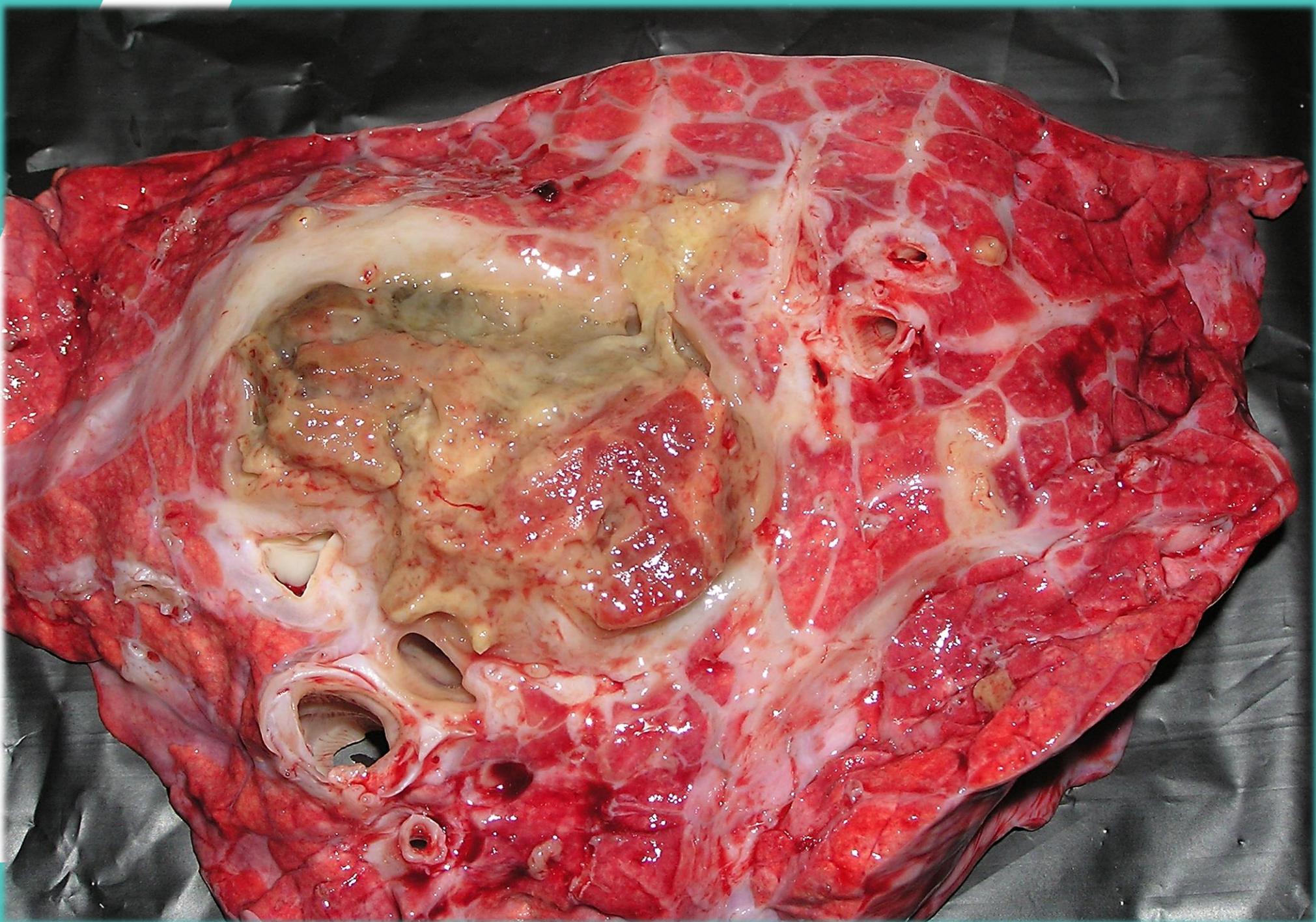
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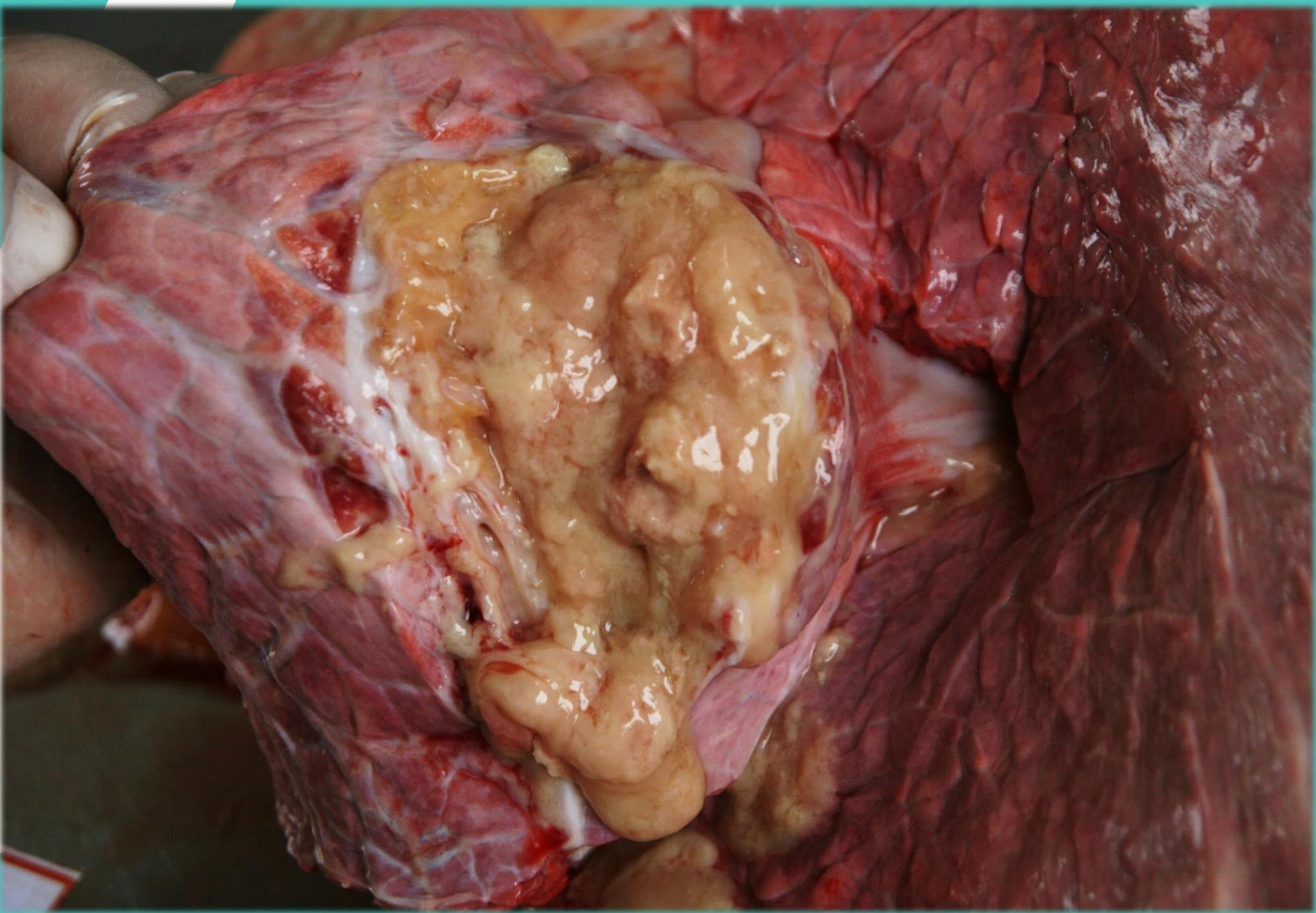
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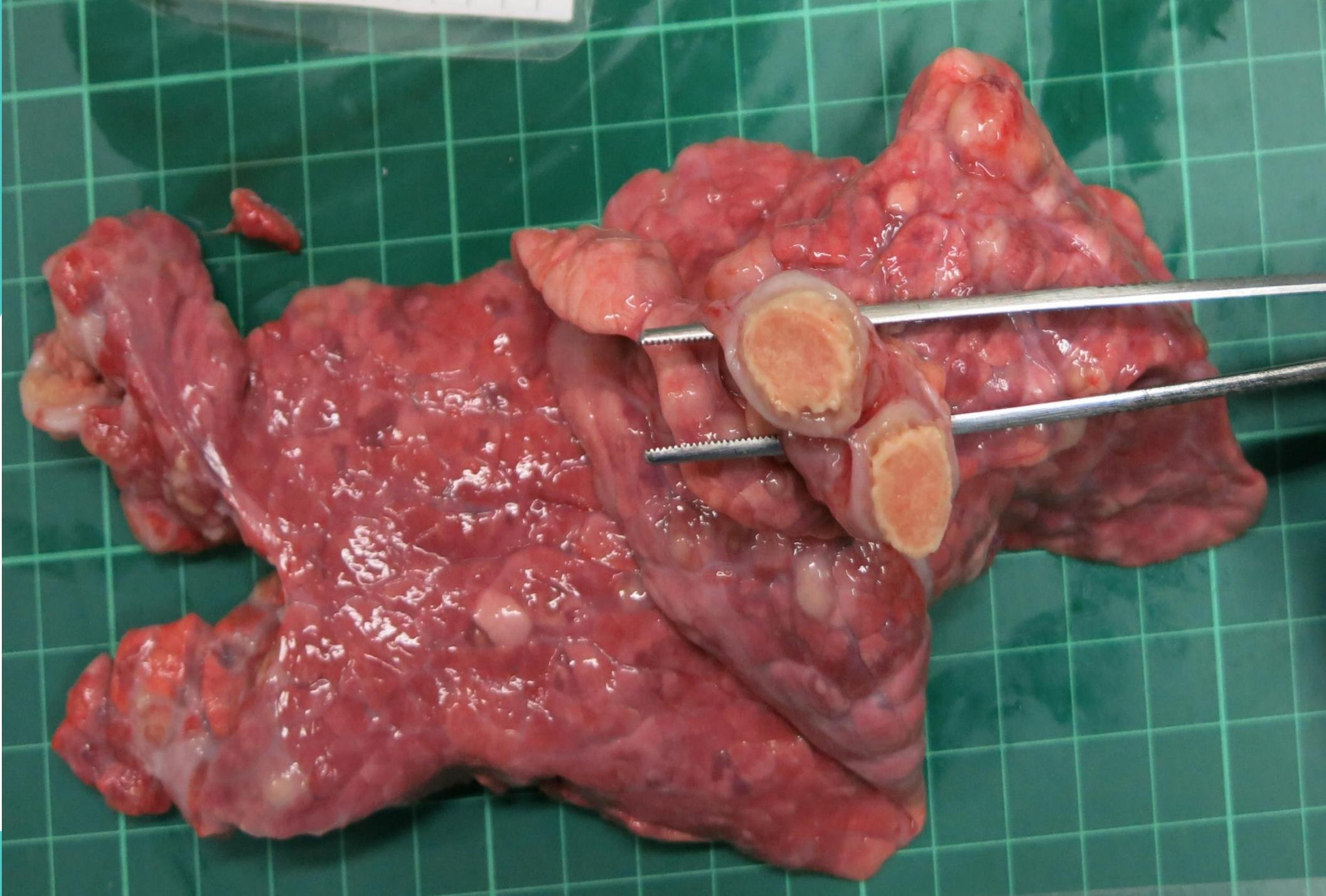


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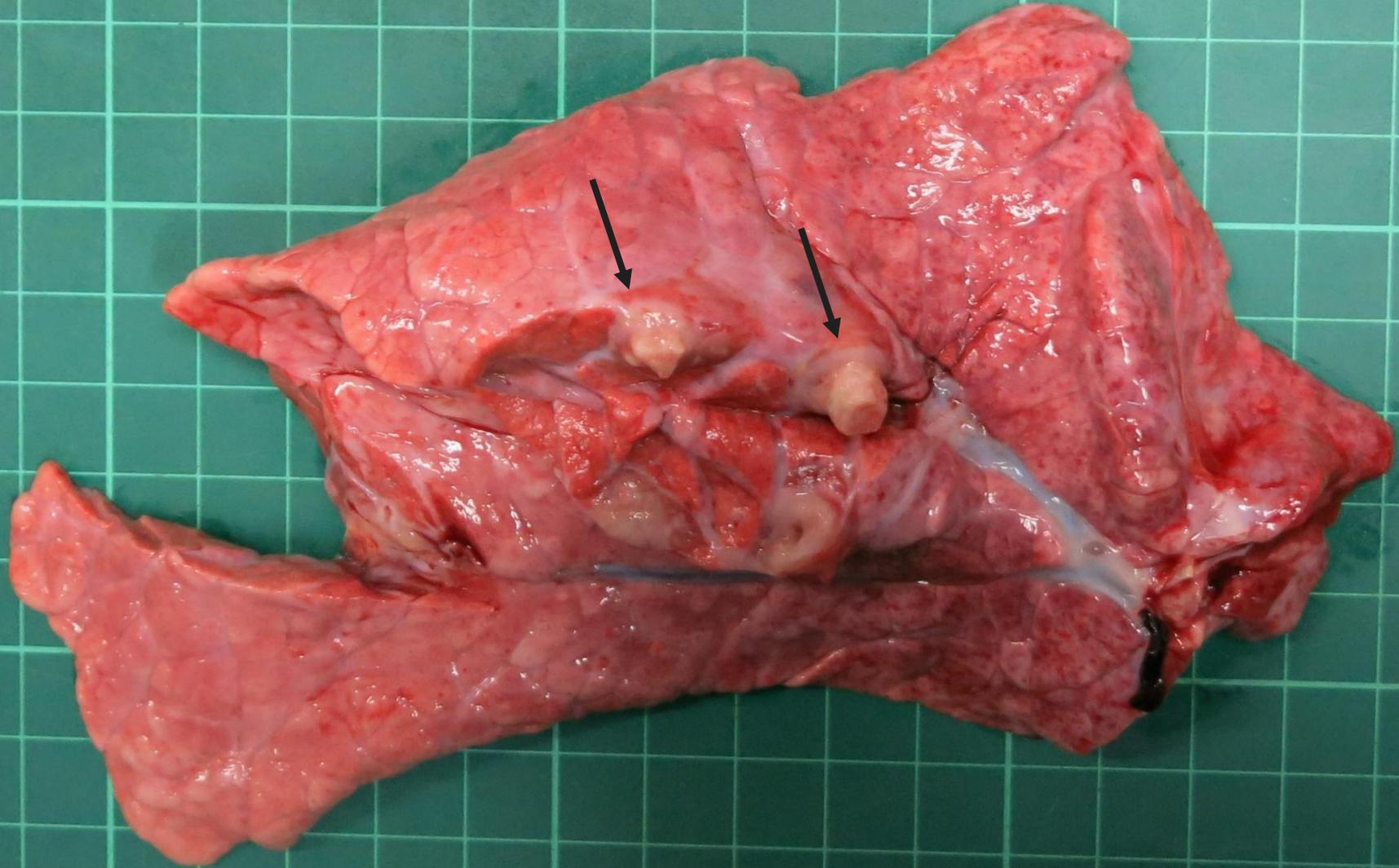


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Sequestra in *Bubalus bubalis*

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# LYMPH NODES

## Chronic Lesions



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# Lymph nodes

## Chronic

- Necrotic foci

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Posterior mediastinal lymph node



Anterior Mediastinal Lymph node

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# Kidney Lesions

**Acute-  
Sub Acute  
Chronic**



# Kidney

## Acute- Sub Acute

- Red infarcts

## Chronic

- White infarcts

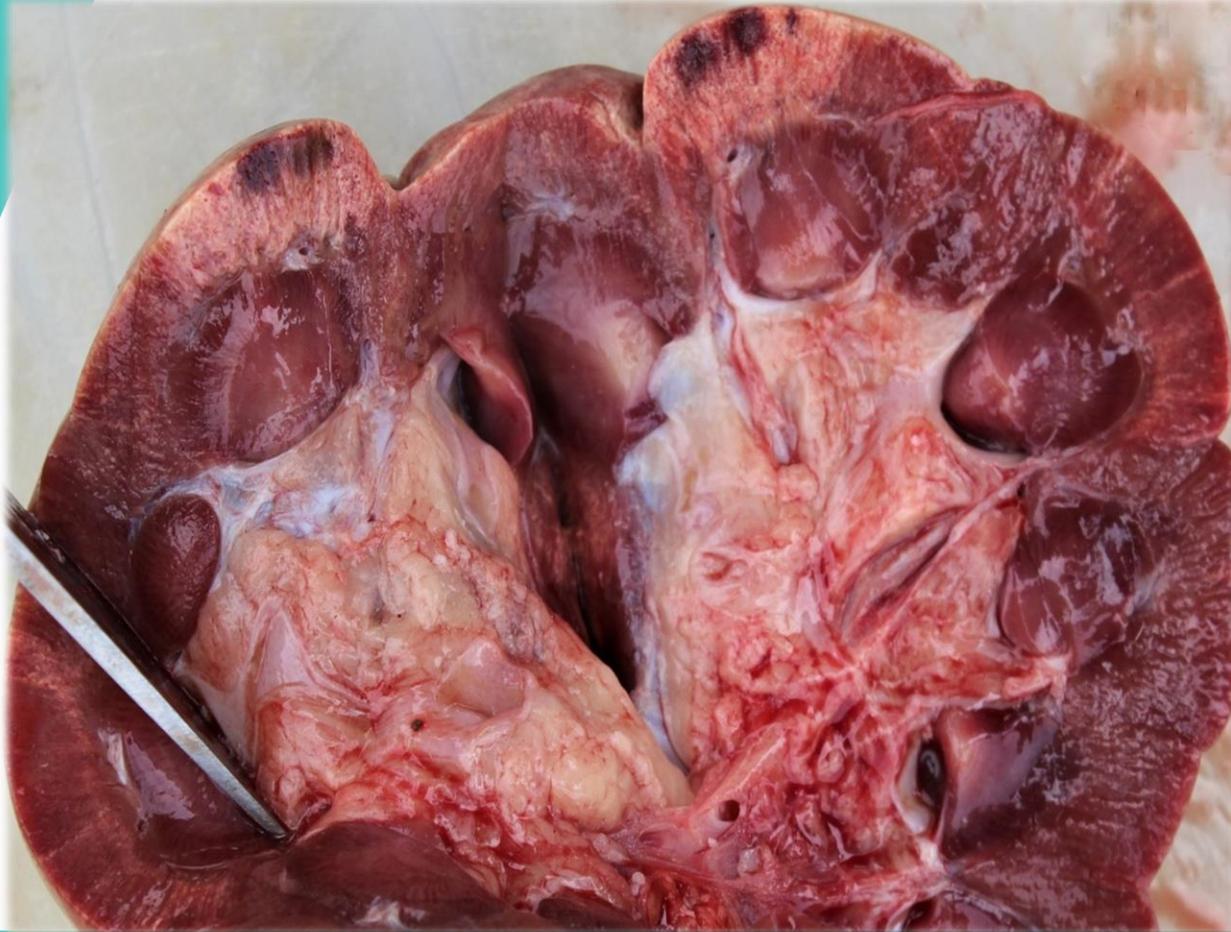
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## Acute- Sub Acute



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## Chronic



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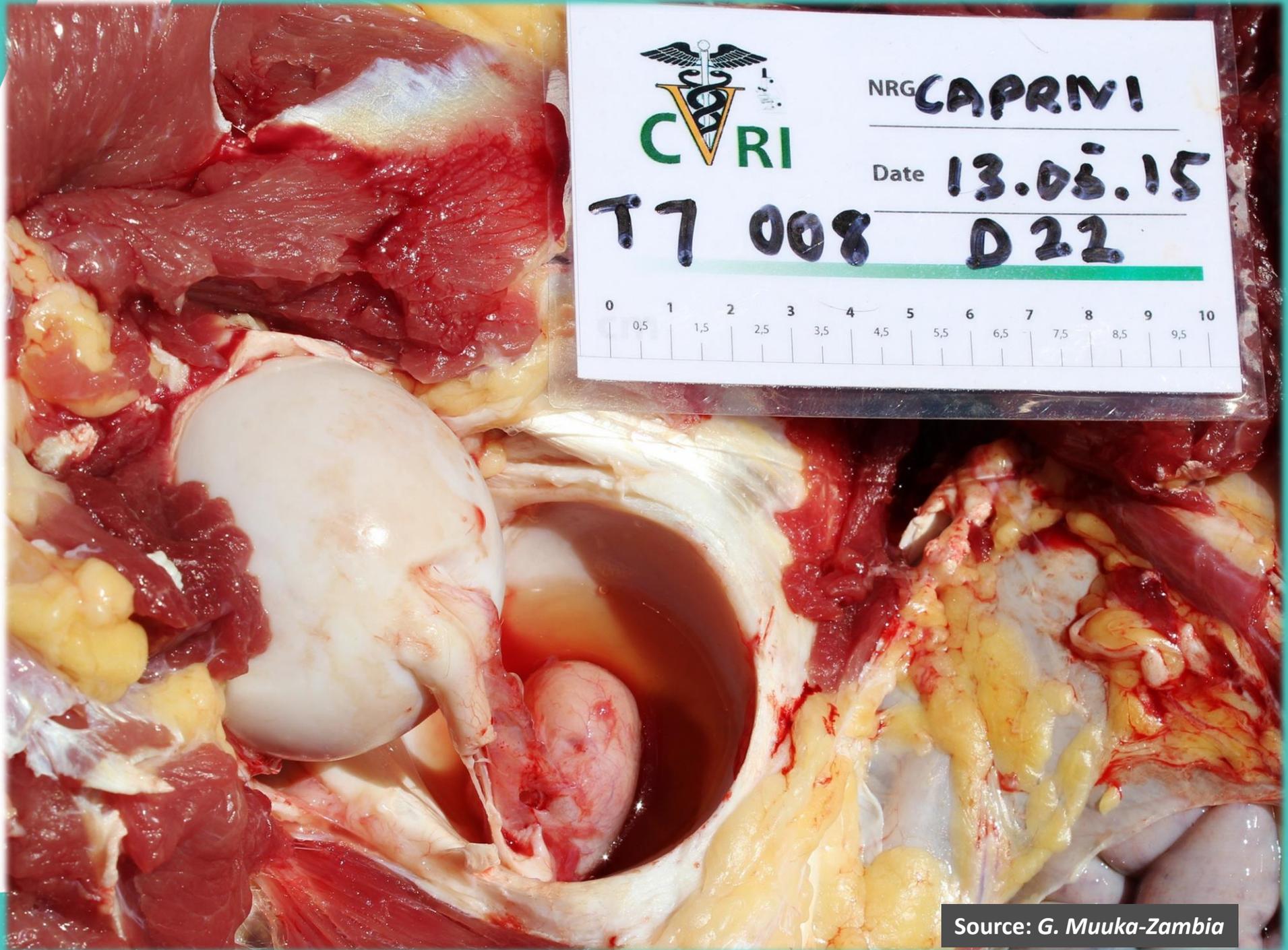


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Source: G. Muuka-Zambia

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# FROM OUR AFRICAN COLLEAGUES

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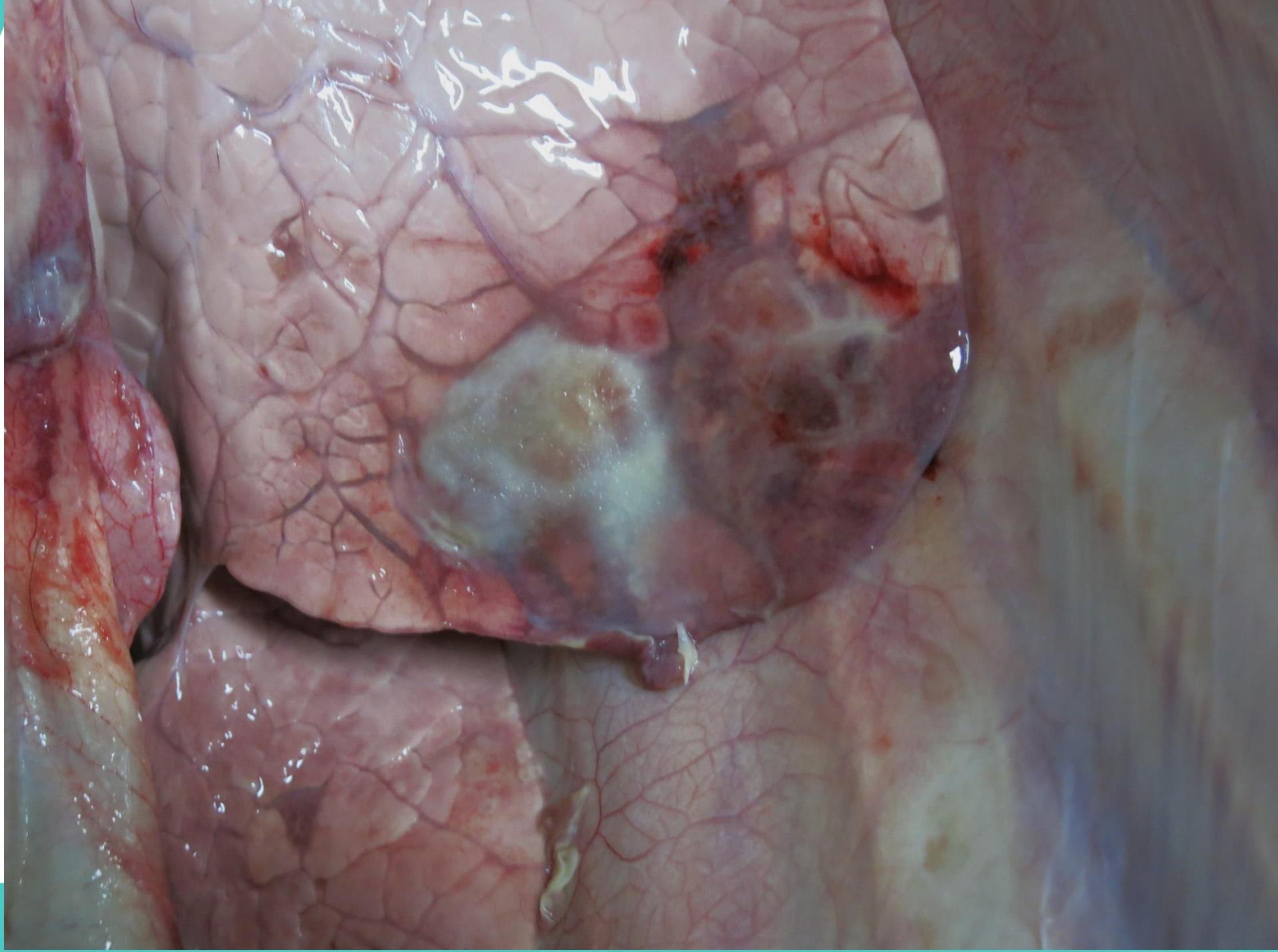
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**Dr S. Daniel-Angola**

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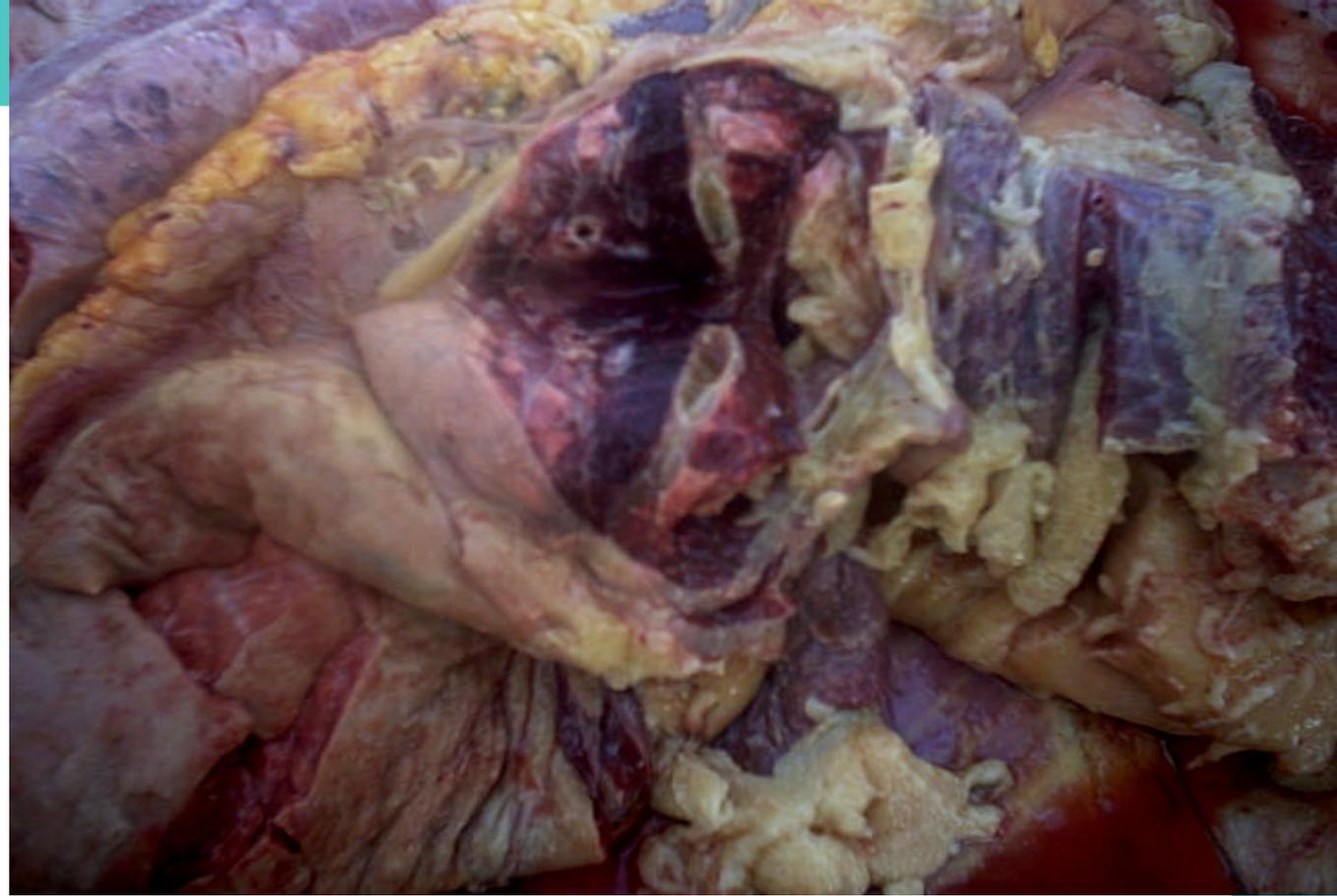


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# ZAMBIA: CBPP outbreak affecting calves



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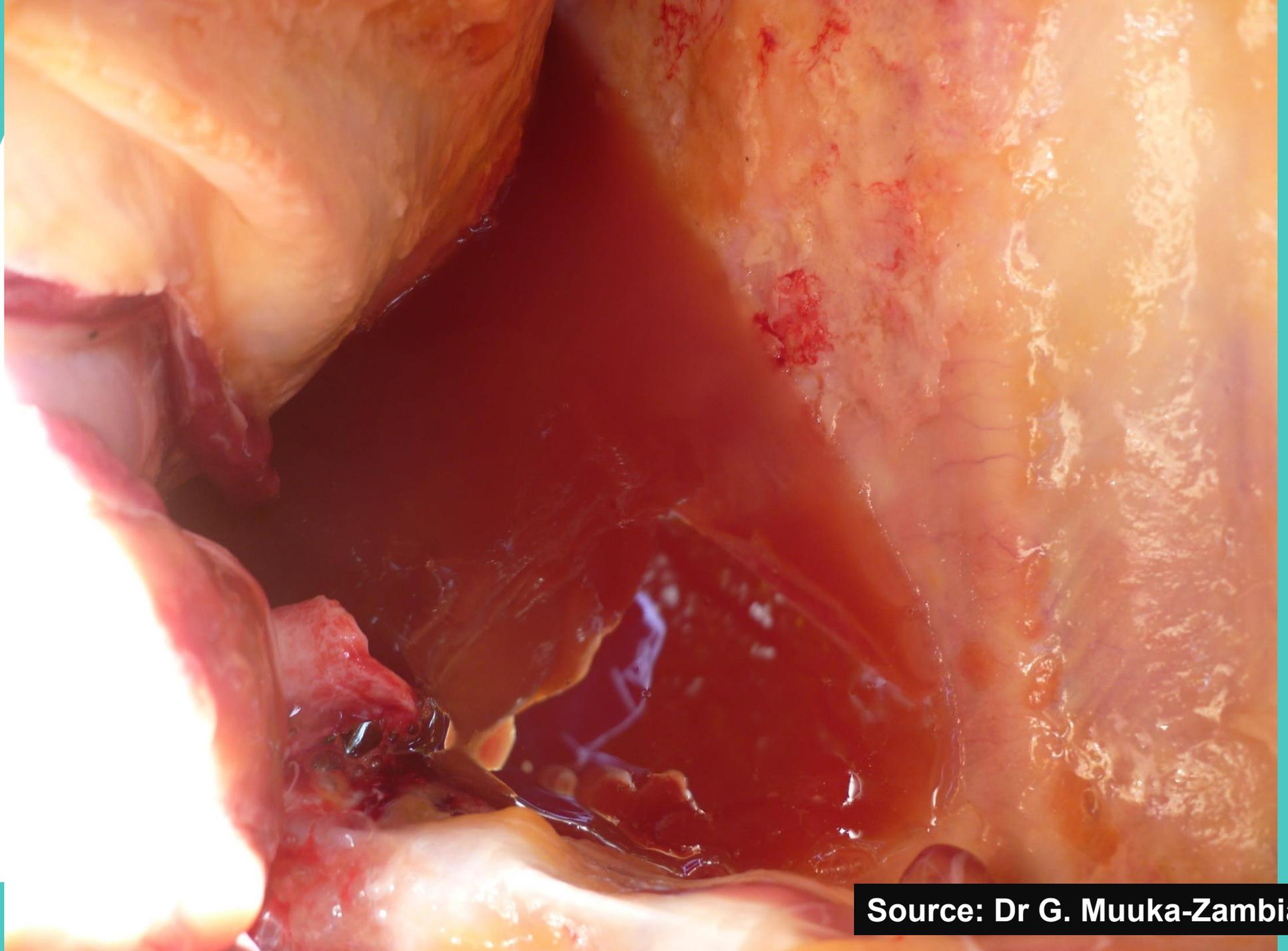
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**When CBPP suspicious lesions are  
detected at the Slaughterhouse or  
during Necropsy activities**

***-REMOTE VETERINARY TELEASSISTANCE-***

***MOBILE APP***

***SUPPORTED BY CBPP EXPERTS***

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# Thank you!

[m.scacchia@izs.it](mailto:m.scacchia@izs.it)