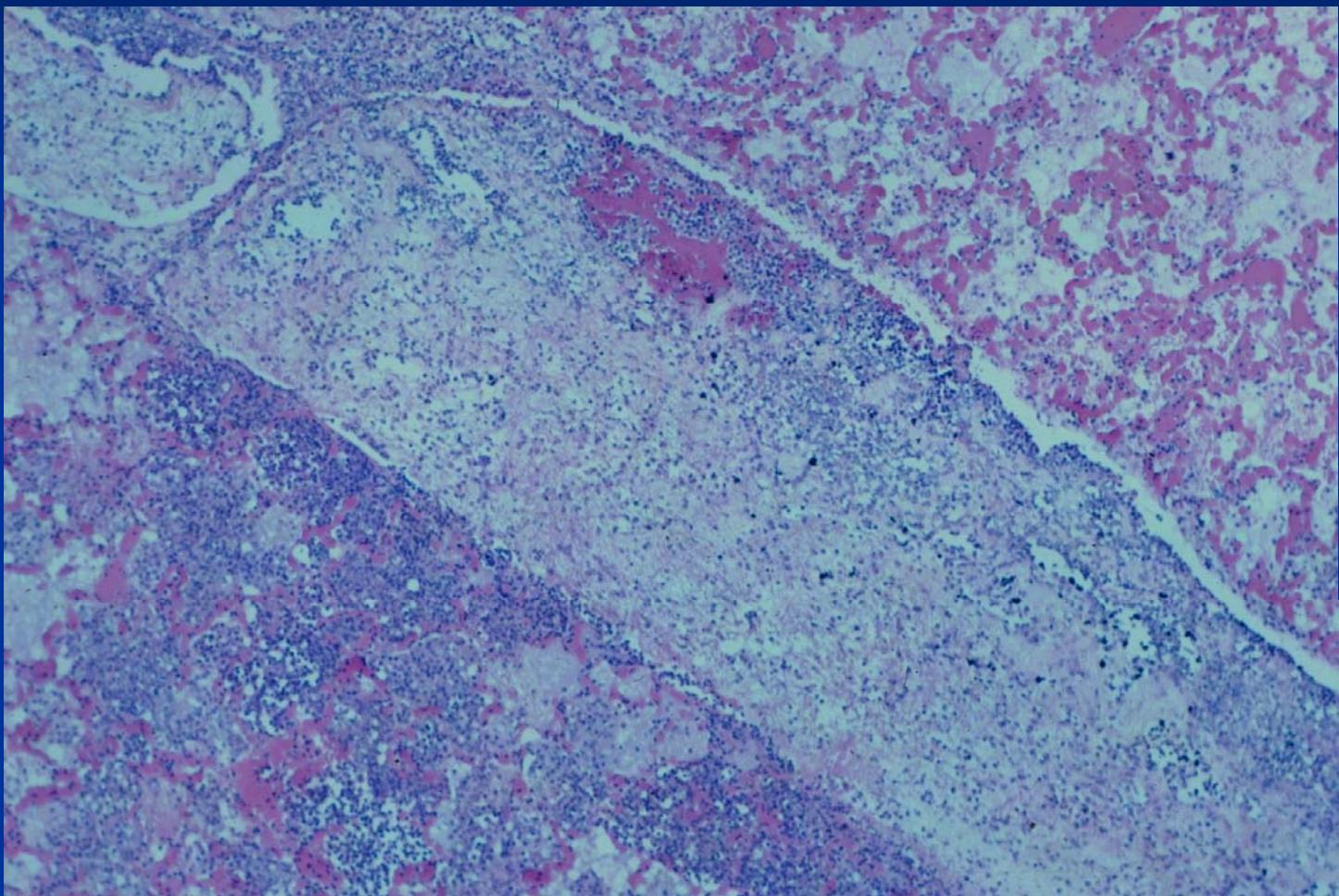
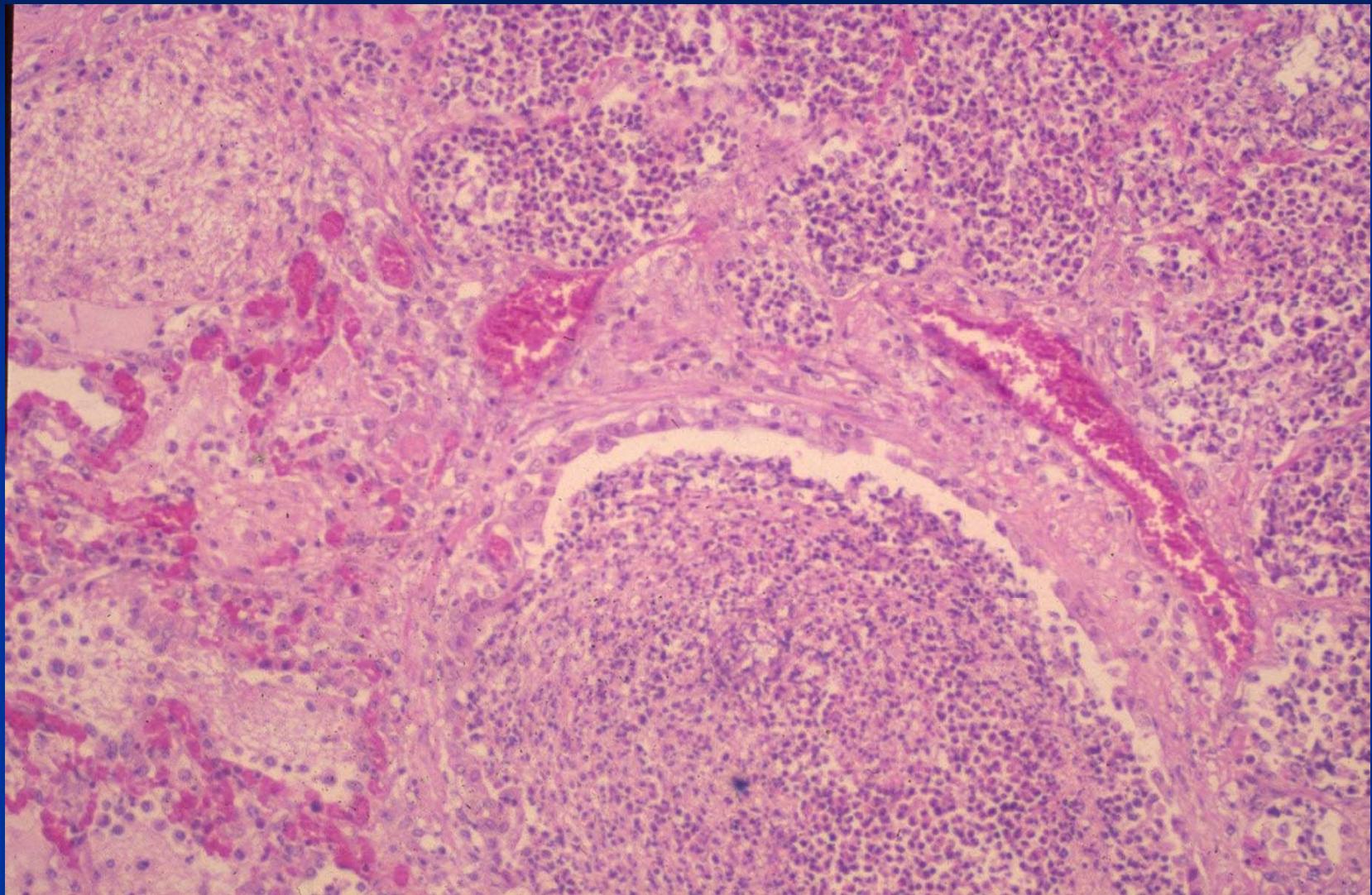


Pneumonic Mannheimiosis



Pneumonic Mannheimiosis



Pneumonic Mannheimiosis

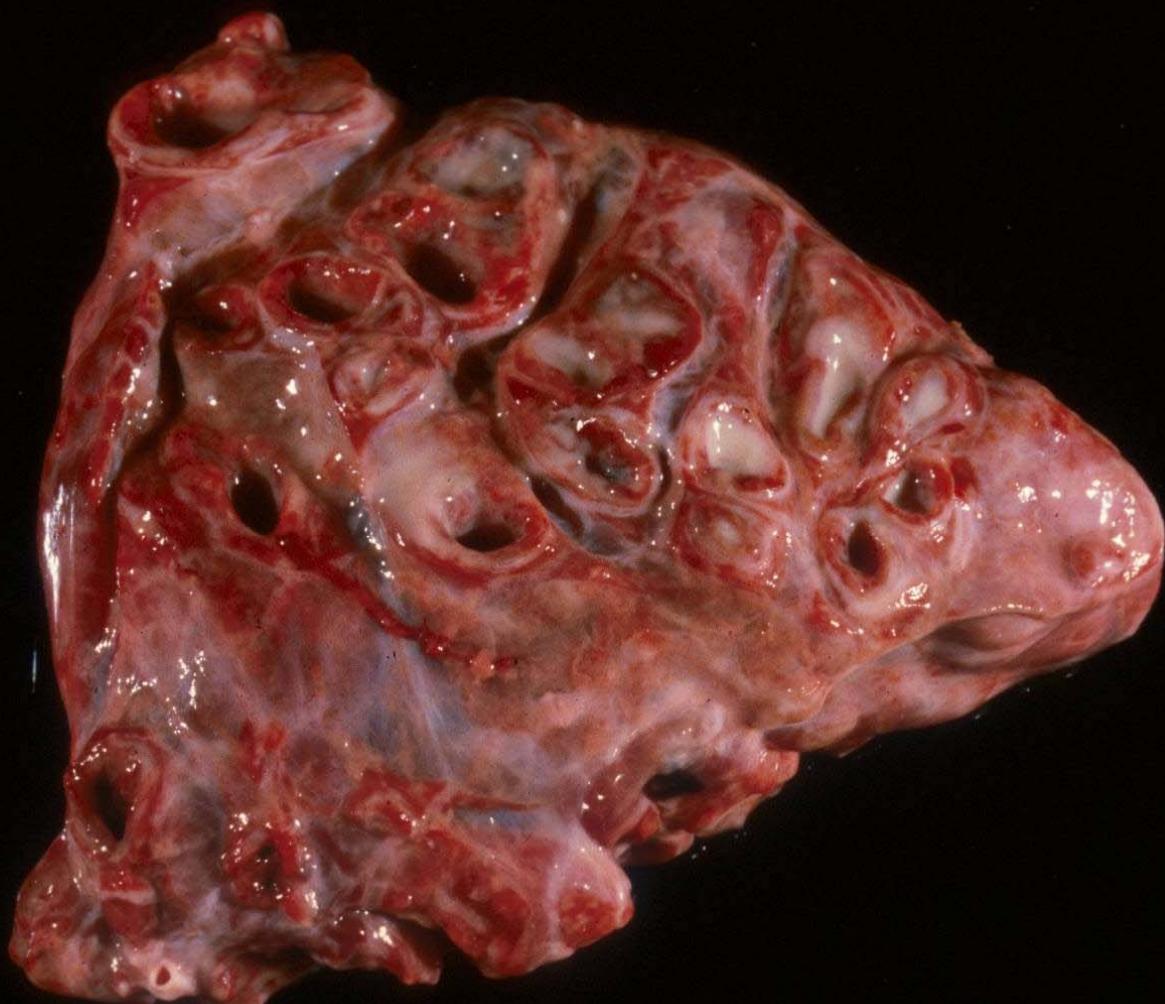
■ Sequella

- Death due to toxemia
- Abscesses
- Sequestra
- Chronic pleuritis with adhesions
- Bronchiectasis

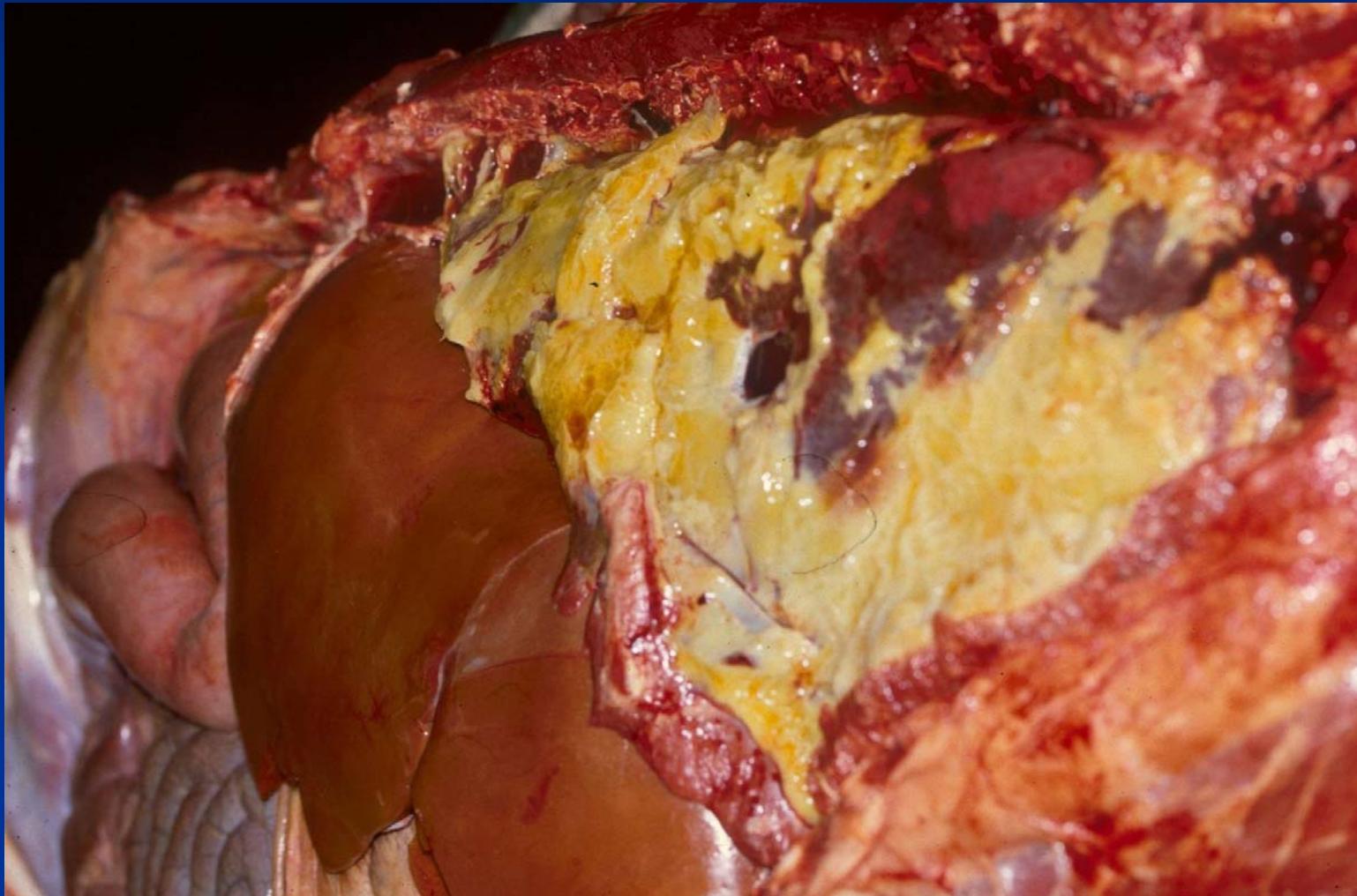
Bronchiectasis



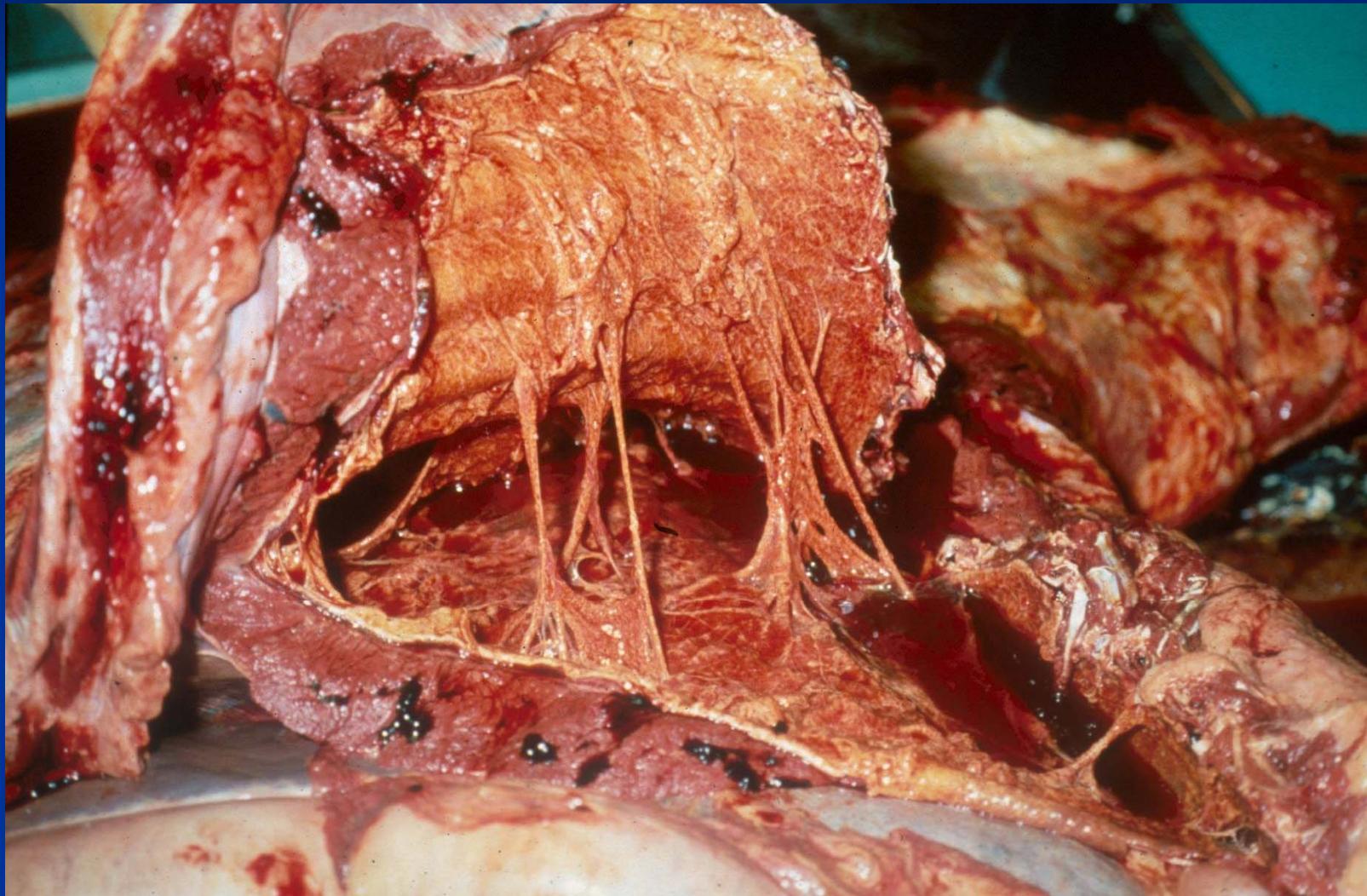
Bronchiectasis



Pleuritis - Sheep



Chronic Pleuritis - Cow



Pneumonic Pasteurellosis

- *Pasteurella multocida* (type A)
- Histopathology
 - Suppurative bronchopneumonia
- Sequellae
 - Similar to previous but not sequestra
- Differentiate from septicemic pasteurellosis/hemorrhagic septicemia - serotype B and E.

Sheep and Goat Pneumonias

- Sheep
 - *Pasteurella trehalosi* (biotype T)
 - *Mannheimia haemolytica* (biotype A) which can also cause mastitis
- Goats
 - *Mycoplasma mycoides* ssp. *mycoides* large colony type isolated from goats recently in Australia
- Note – this is an incomplete listing

“Enzootic Pneumonia”

Predisposing factors

- Stress (temperature extremes, crowding)
- Viral infection (IBR, BRSV, BVD, PI-3 virus)
- Mycoplasmas (*M. bovis*), *Chlamydophila sp.*
- Bovine leucocyte adhesion deficiency (BLAD)
- Etiology (mixed)
 - *Mannheimia (Pasteurella) haemolytica*
 - *Pasteurella multocida* (type A)
 - *Histophilus somni* (*Hemophilus somnus*)
 - *Arcanobacterium (Actinomyces, Corynebacterium) pyogenes*
 - *E. coli*
- Acute or chronic forms
- Similar in lambs