

# Case for UK CPN

Dr R Ainsworth

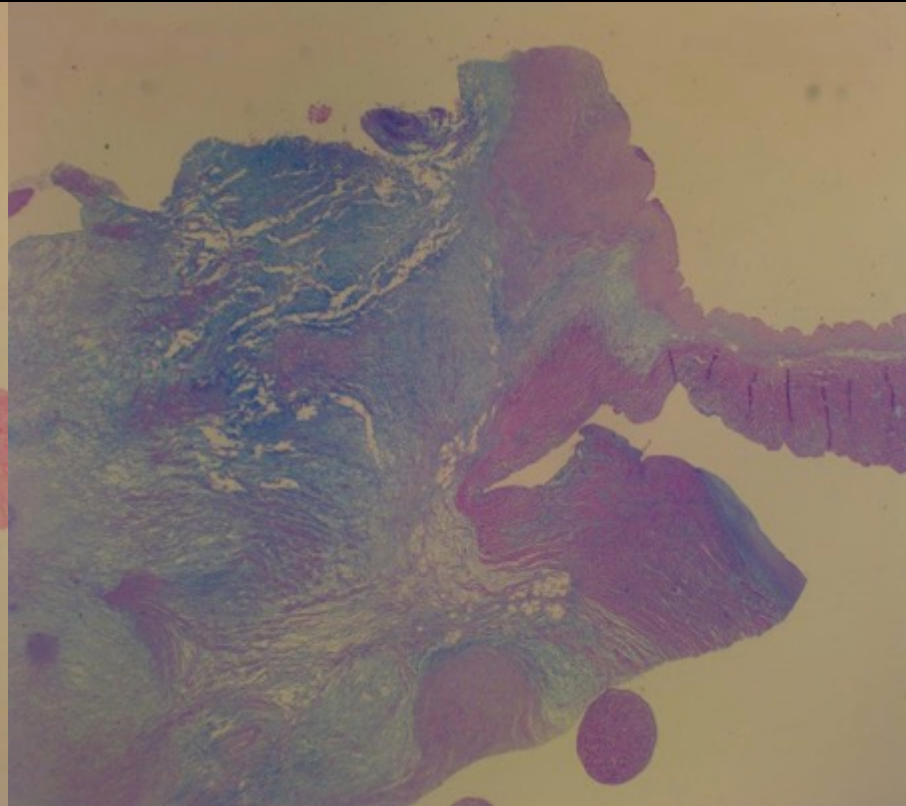
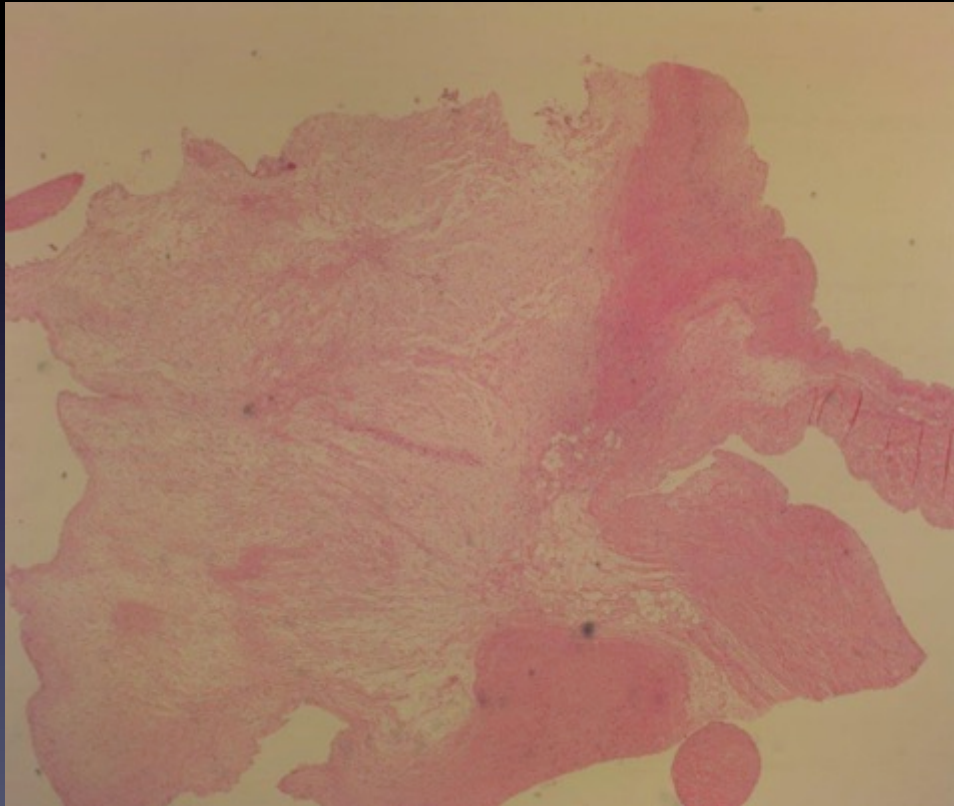
Forensic Pathology, NHS Lothian

- 20 year old male  
History of self-harm, cognitive difficulties
- Drug misuse: diazepam, cannabis and mephadrone
- No other known past medical history  
Suicide in prison

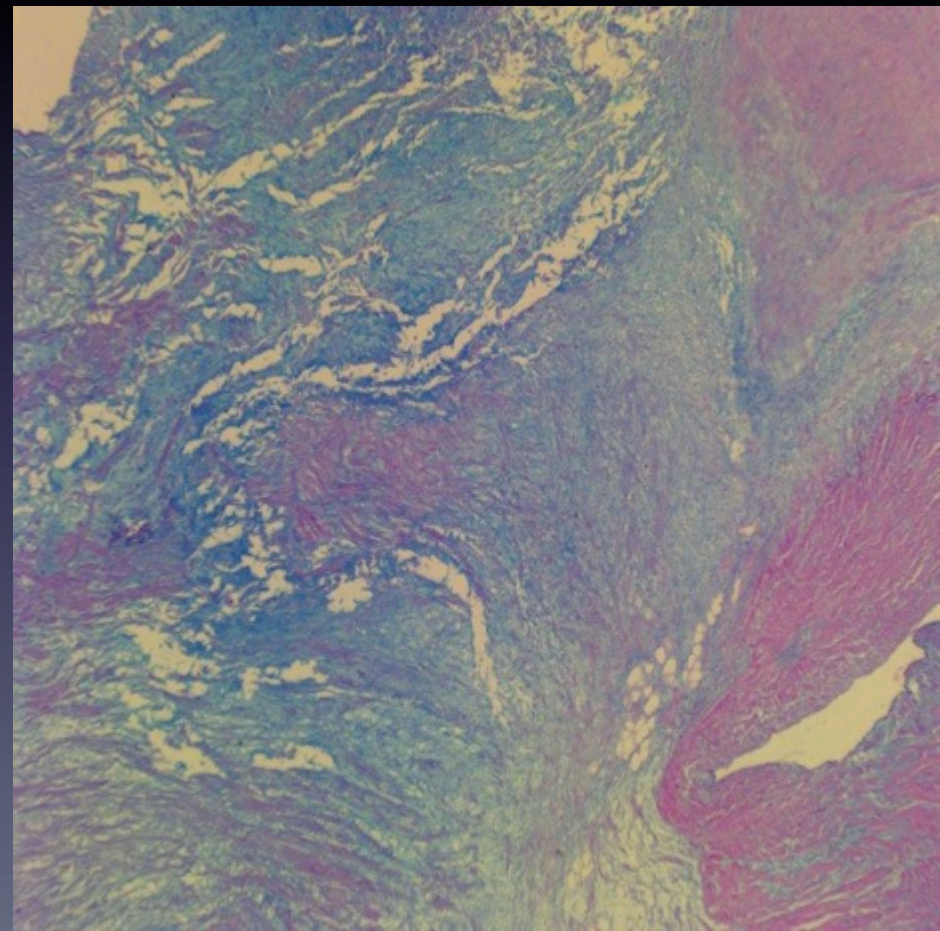
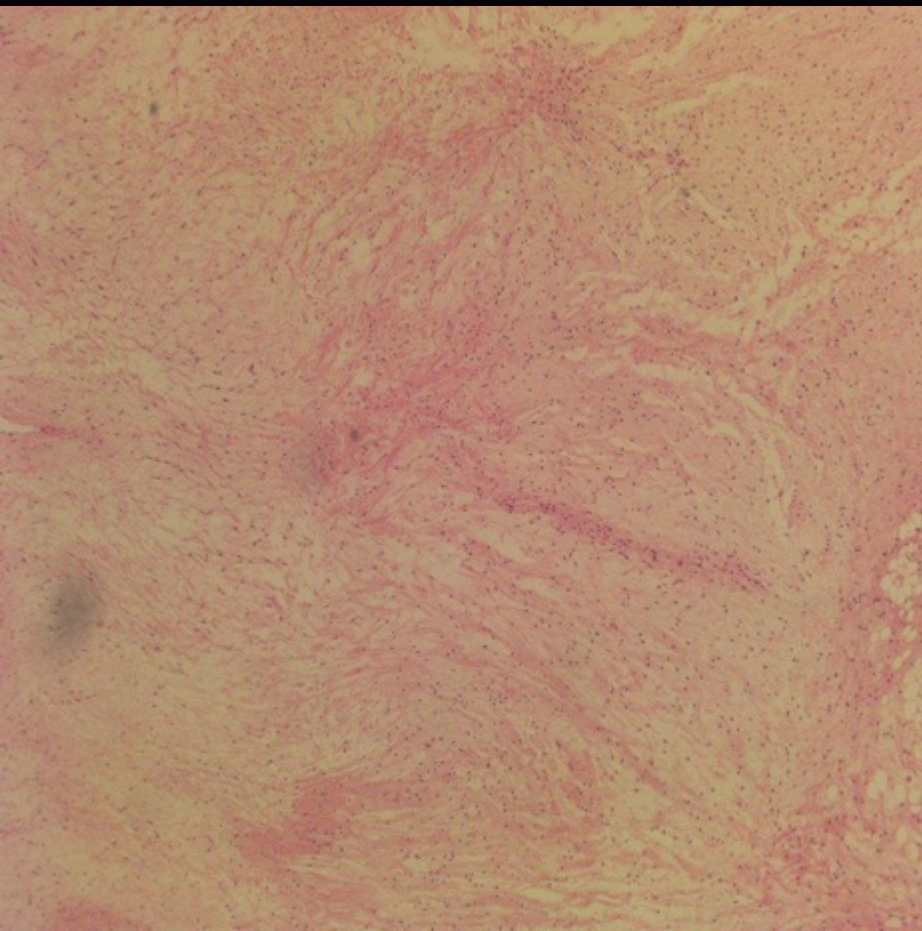
- At PM - Heart 340 g
- Coronary arteries normally configured and widely patent
- Myocardium normal
- Thickening and possible myxoid degeneration of the mitral valve. Other valves normal
  
- No other external or internal signs of connective tissue disorder, or other pathologies

- Images are of the Mitral Valve
- H and E sections, low and high power
- ABPAS, low and high power

# Mitral valve H/E and ABPAS



# High magnification H/E and ABPAS



- Cause of death is obvious !
- However, did he also have ‘floppy mitral valve’?
- Are such changes be associated with his chronic drug use ??
- Should family screening should be recommended ?