Mechanical valve thrombosis in pregnancy

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• 30yr old P2G3 at 33weeks gestation

• MVR (mechanical) 2006

• Has been on clexane only regimen throughout pregnancy with Anti Xa level monitoring

• Echo done at 24weeks - normal

• Some history of non compliance when she lost her husband in a car crash

• Noted to have dyspnea which progressively worsened over 2weeks
Summary

- 33 weeks pregnant
- Valve thrombosis
- Suspicion of infective endocarditis
Management of left-sided obstructive mechanical prosthetic thrombosis

Suspicion of thrombosis

Echo (TTE + TOE/fluoroscopy)

Obstructive thrombus

Critically ill?

No

Recent inadequate anticoagulation?

No

IV UFH ± aspirin

Success/failure?

Failure

High risk for surgery?

No

Surgery

Yes

Fibrinolysis

Success

Follow-up

Yes

Surgery

Surgery immediately available?

No

Fibrinolysis

Yes

Surgery
Discussion

• **Surgical correction**
  • C/S first and then MVR
  • Emergency MVR with baby inside

• **Thrombolytic therapy**
What was done

• Patient refused surgery
• Lytic – actilyse given (50mg)
• Symptomatically the same
• Mean gradient drop from 31mmHg -> 25mmHg
• Floro done
What was done

• Patient refused surgery

• Lytic – actilyse given (50mg)

• Symptomatically the same

• Mean gradient drop from 31mmHg -> 25mmHg

• Floro done
• Rethrombolysed
• Developed abruptio placenta
• PV bleeding, DIC
• Needed RCC/ FFP
• Emergency C/S done in CCU
• Patient demised