Summary of heart review

1. Sources of error in biopsies.
2. The true disease stage is a latent variable.
3. Summary of the MMDX approach.
5. Developing the heart MMDx-heart report
   - 3 archetype model
   - 4 archetype model
   - current report
   - what lies beneath: subtle ABMR
   - ABMR is a relatively benign short term; TCMR is very damaging
   - function correlates with injury recent and atrophy fibrosis
6. Injury archetype groups indicate a severe injury and late injury group
   - survival post biopsy correlates with injury even when rejection is eliminated
   - TCMR causes severe and late injury; ABMR slowly produces late injury; relatively little early effect on parenchyma

Key References