



# **Aeromed Coagulation Studies & ACT**

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# Prothrombin Time & International Normalized Ratio (PT/INR)

- Think COUMADIM/WARFRAN drug class use!
- Commonly used to evaluate anticoagulation therapy.
- Evaluates the **extrinsic** pathway of the coagulation sequence.
- Both evaluate the same thing

## TGH Normal Values

- PT: 9-12 seconds
- INR: 0.8-1.2

# Partial Thromboplastin Time (PTT)

- Think Heparin use!
- Commonly used to evaluate anticoagulation therapy.
- Evaluates the **intrinsic** pathway of the coagulation sequence.

TGH Normal Values

– PTT: 21-34 seconds

# Activated Clotting Time (ACT)

- Also Think Heparin use!
- Point of care test used to monitor the effect of high-dose **heparin** before, during, and shortly after surgeries.
- **ACT** is less precise than **PTT**
- TGH Therapeutic Values:
  - Normal **107 +/- 13 seconds**.
  - After postoperative hemostasis **180-200 seconds**.
  - In situations involving persistent or recurrent atrial or ventricular fibrillation, or when the flows are persistently less than 3 L/min **250-300 seconds**.