



Severe Coagulopathy

- **Massive blood loss**
- **Dilutional coagulopathy**
- **Multiple trauma**
- **Consumption**
- **Severe liver failure**



Coagulation Test

- **Activated partial thromboplastin time (APTT): sec**
- **Prothrombin time (PT): sec, %, INR**
- **Thrombin time (TT): sec**
- **Fibrinogen: mg/dL**
- **D-dimer, FDP (fibrin degradation product)**



Example of Coagulogram

Severe coagulopathy

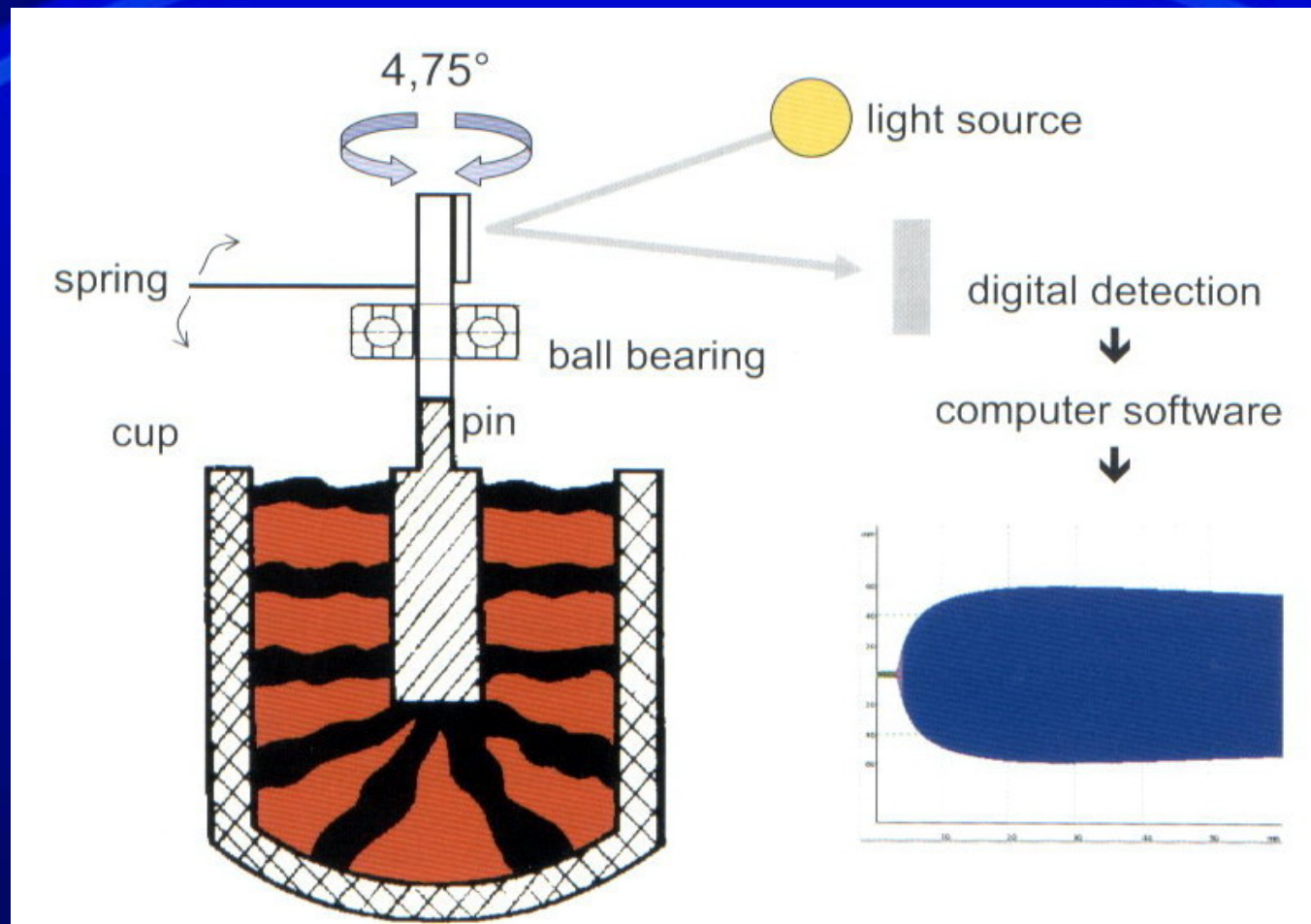
- APTT > 200 sec
- PT >200 sec
- TT >200 sec

Heparin effect

- APTT >200 sec
- PT 40 sec
- TT >200 sec

Thromboelastogram (TEG)

- TEG reflects global hemostasis involving coagulation factors, platelets, fibrinolysis



Example of Abnormal TEG Finding

