

- Electrophysiological study
  - Indications
  - Techniques
  - Conduction system study
  - SVT/VT study
- Pharmacological tests in EP
- # Tilt table test/ CSM

## Electrophysiological study

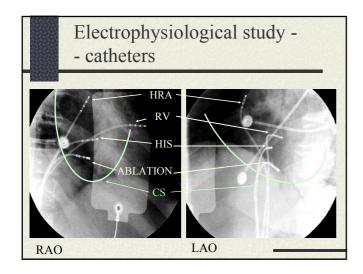
Too long and complicated to enjoy it?!

### Electrophysiological study-

- indications

Guidelines - 1995 (hopelessly old...)

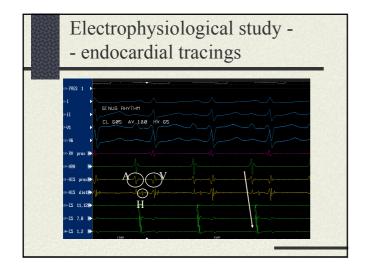
- Diagnoses
  - Syncope of unknown origin, SCD
  - Palpitations
- Risk stratification
  - CAD, EF<40%, NSVT on Holter
  - Brugada syndrome
  - WPW
- **■** Therapy (RFA)
  - documented arrhythmia

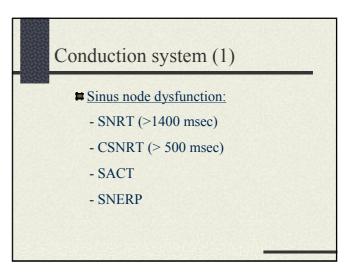


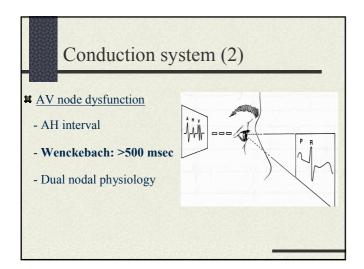
### Electrophysiological study -

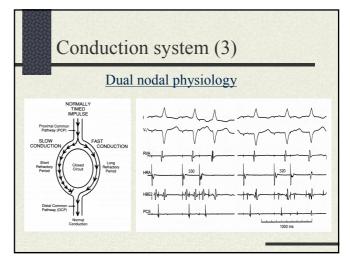
- protocol

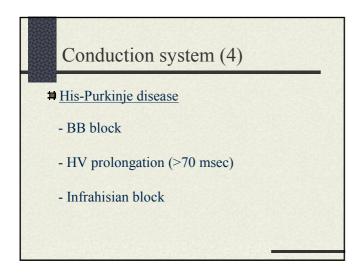
- # Endocardial recordings during NSR, arrhythmia and pacing maneuvers
- **■** Conduction system study
- ➡ SVT/VT induction by atrial/ventricular pacing & premature stimulation
- Pharmacological tests
- Mapping maneuvers

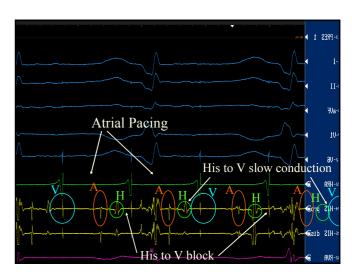




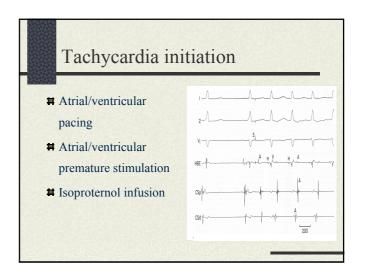


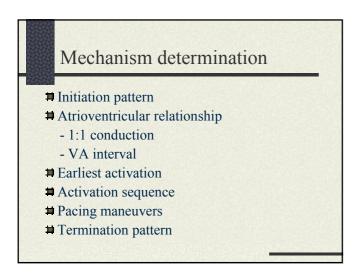


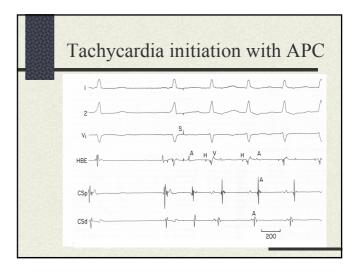


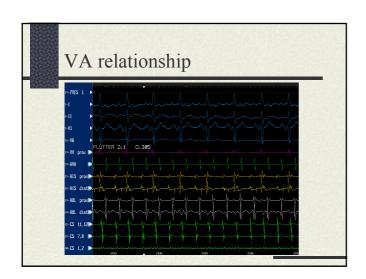


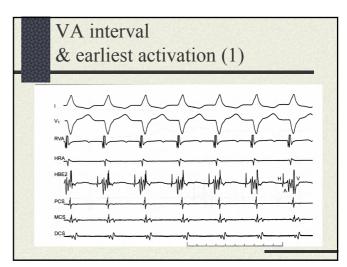
# SVT/VT study Tachycardia initiation Mechanism determination Focus/circuit mapping RF Ablation

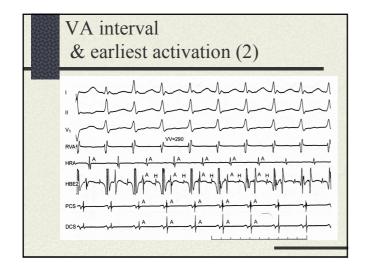


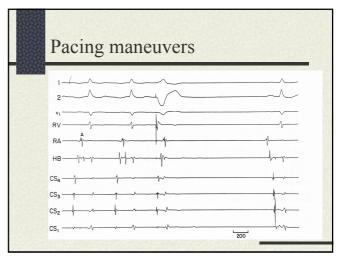


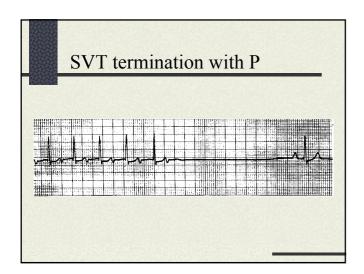


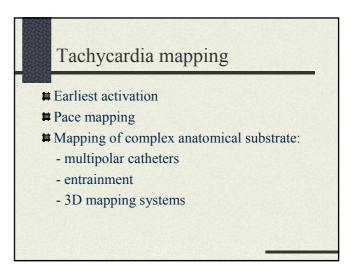


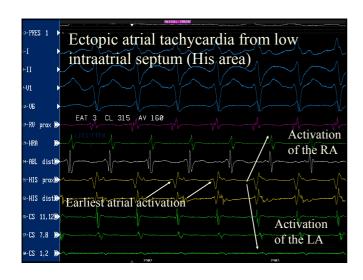


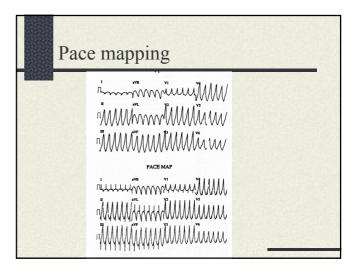


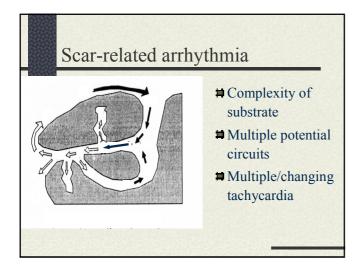


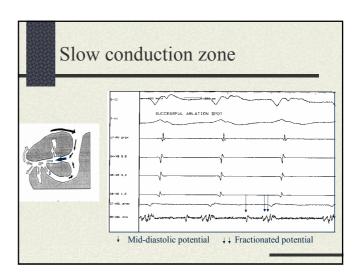


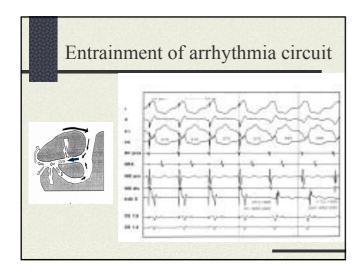


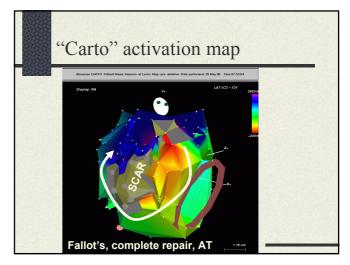


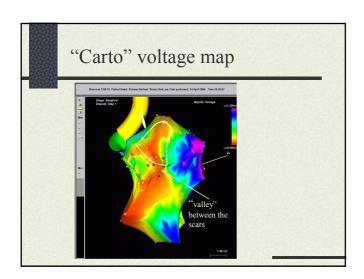


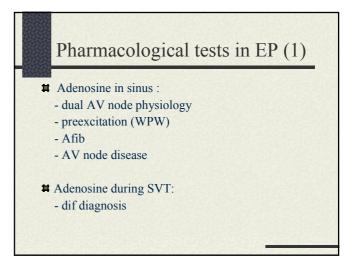


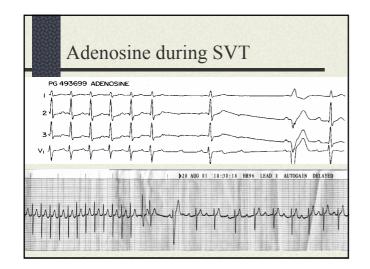












# Pharmacological tests in EP (2)

- Procainamide:
  - His-Purkinje "stress test"
- **■** Flecainide:
  - Brugada "stress test"
- **■** Isoproternol:
  - catecholamine's sensitive arrhythmia

