Narrow and wide complex Tachycardia in 20 year old with out structural cardiac disease

• Dr Njiem (Beirut)
H is within QRS during tachycardia
A pulls in His and V with out affecting tachycardia
Mid septal LV
Presystolic potential recorded from mid LV septum
Left Fascicular System
Left Fascicular System

Type I
- ant.
- sept.
- post.
20 cases

Type II
- ant.
- sept.
- post.
9 cases

Type III
- ant.
- sept.
- post.
5 cases

Kulburtus/Demoulin
RAO view of ESI/NavX map of LV with sites ("F") of presystolic potentials

Site of Successful Ablation

Site of 10/12 pacemap
Concealed entrainment from recording apical to LBB.
Findings

• Alternate narrow and wide complex tachycardia

• During tachycardia His is within QRS and H-H drives V-V

• A retro potential was recorded in sinus rhythm which preceded the QRS during tachycardia

• Ablation at LV mid upper septum where diastolic potentials were recorded was successful ablation site
Interpretation

• The short H-V during tachycardia excludes BBRT as well as any form of SVT. Including concealed N-V circuits.

• Late potential in sinus as well as presystolic potential represent in site portions of tachycardia circuit.

• Tachycardia likely reentrant involving left mid septal fascicle resulting in either narrow or wide complex tachycardia.