1. How to make a fast high density map

2. How to stabilize and micromove an ablation catheter
1. How to make a fast high density map

(1) Pacing from a contralateral chamber @ a fast rate
(rate faster than W AV block or 2:1 AV conduction)

(2) move slow

(3) activation map rather than voltage map to eliminate noise
1. How to stabilize and “micro” move an ablation catheter

(1) Low anterior transseptal puncture.

(2) Advance a long sheath in the left atrium.
- No sheath in the LA, micromovement is impossible

(3) Parallel orientation of an ablation catheter in the left atrial wall.

(4) Clock or counterclockwise rotation of a sheath and an ablation catheter
For a multielectrode catheter

For an ablation catheter
Advance an ablation catheter in the LA
Flex an ablation catheter (180° bend)
Rotate a sheath and an ablation catheter clockwise
Advance a sheath and an ablation catheter gently
Move a sheath and an ablation catheter (micromovement!)

Clockwise rotation
Anterior side of the LSPV

Counterclockwise rotation
Posterior side of the LSPV
Tight bend a ablation catheter and withdraw the system (roof line ablation from the RSPV to LSVP. RSPV posterior top to anterior top (clockwise rotation).
Ablation from RSPV posterior superior regions