

Another way to get to the 'DIFFICULT' CS

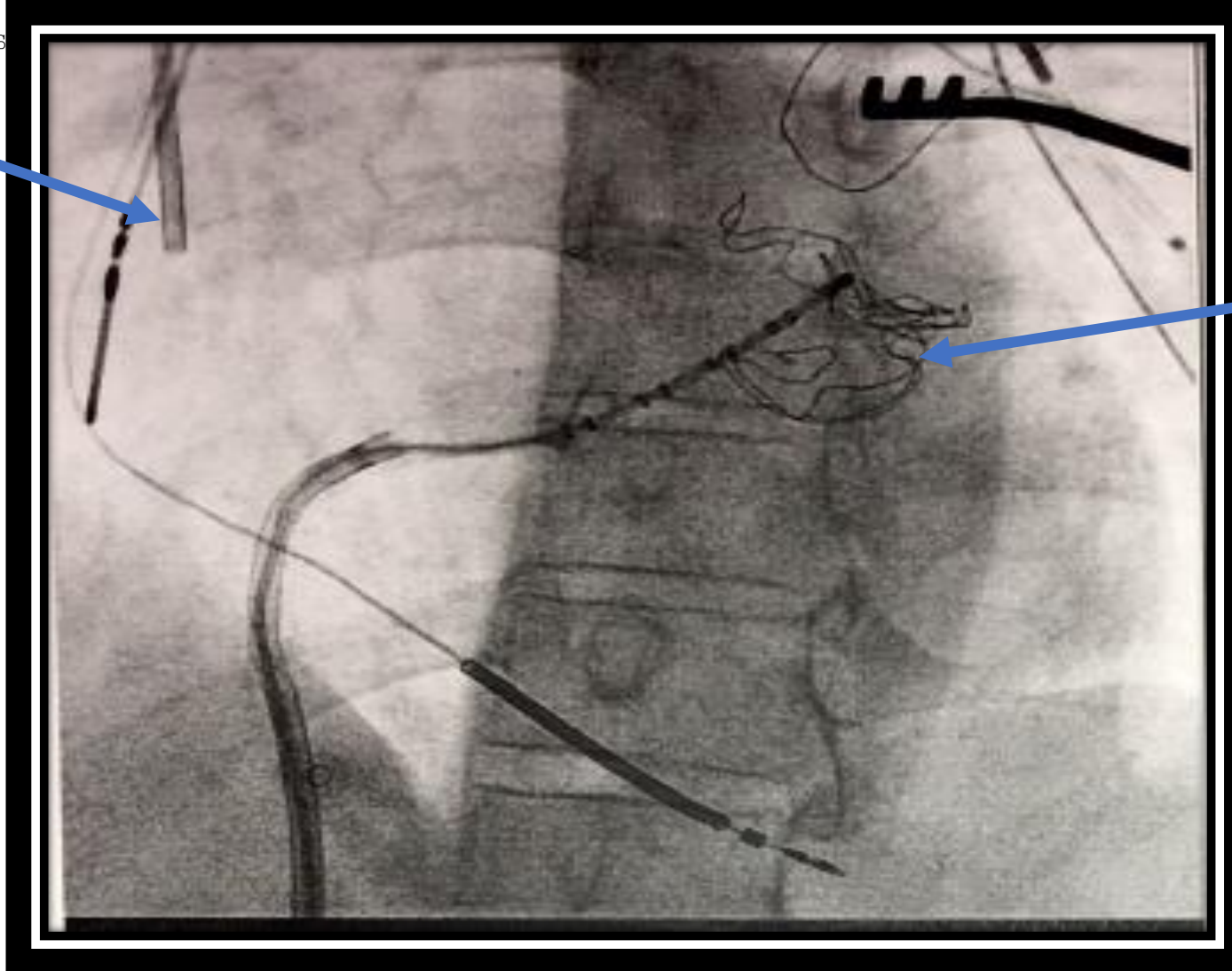
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brian vezi

Approach from right femoral vein to:

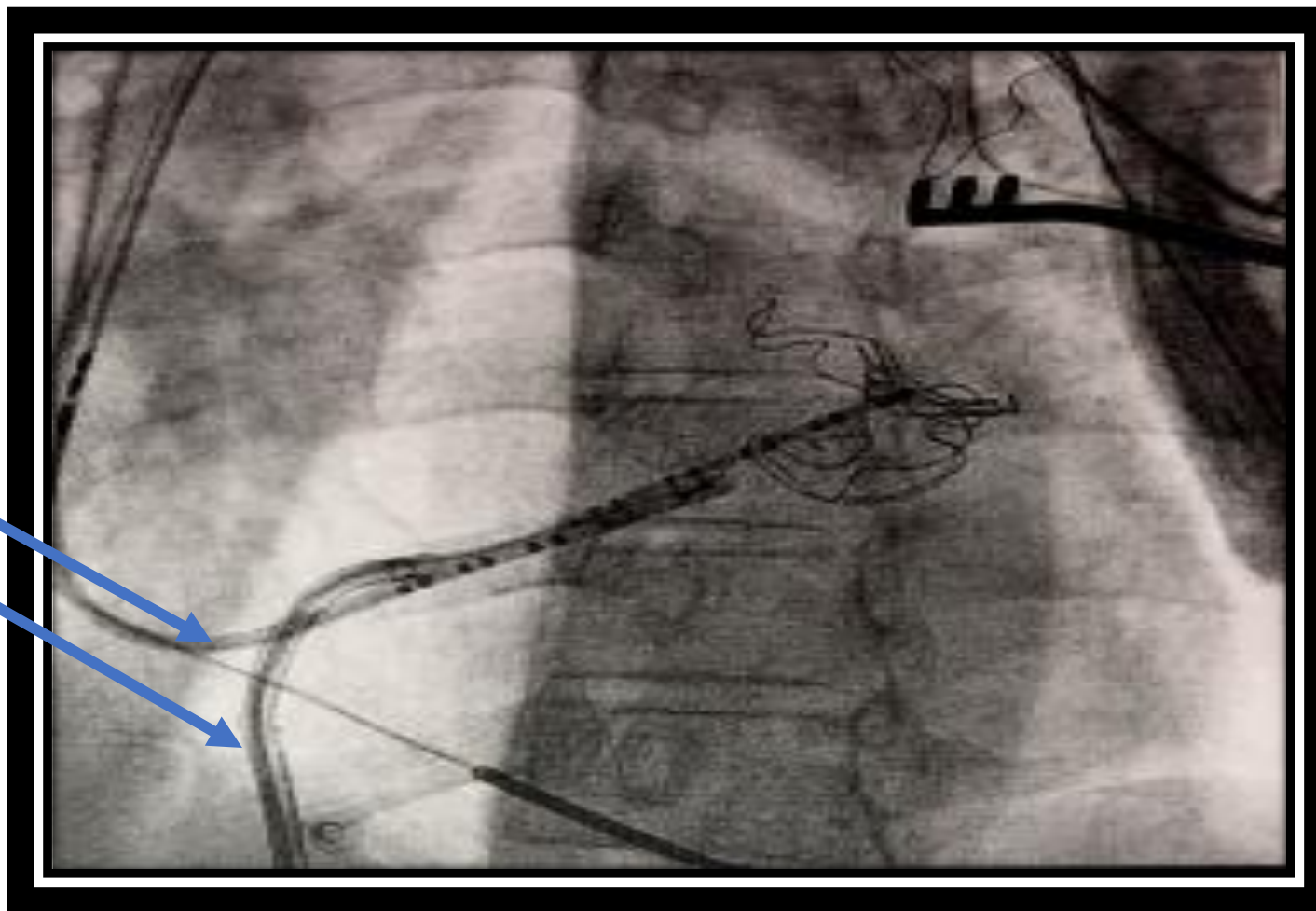
- Localize the CS os / anatomy
- Keep the CS os open to allow approach from above

Guide for the conventional CS  
approach

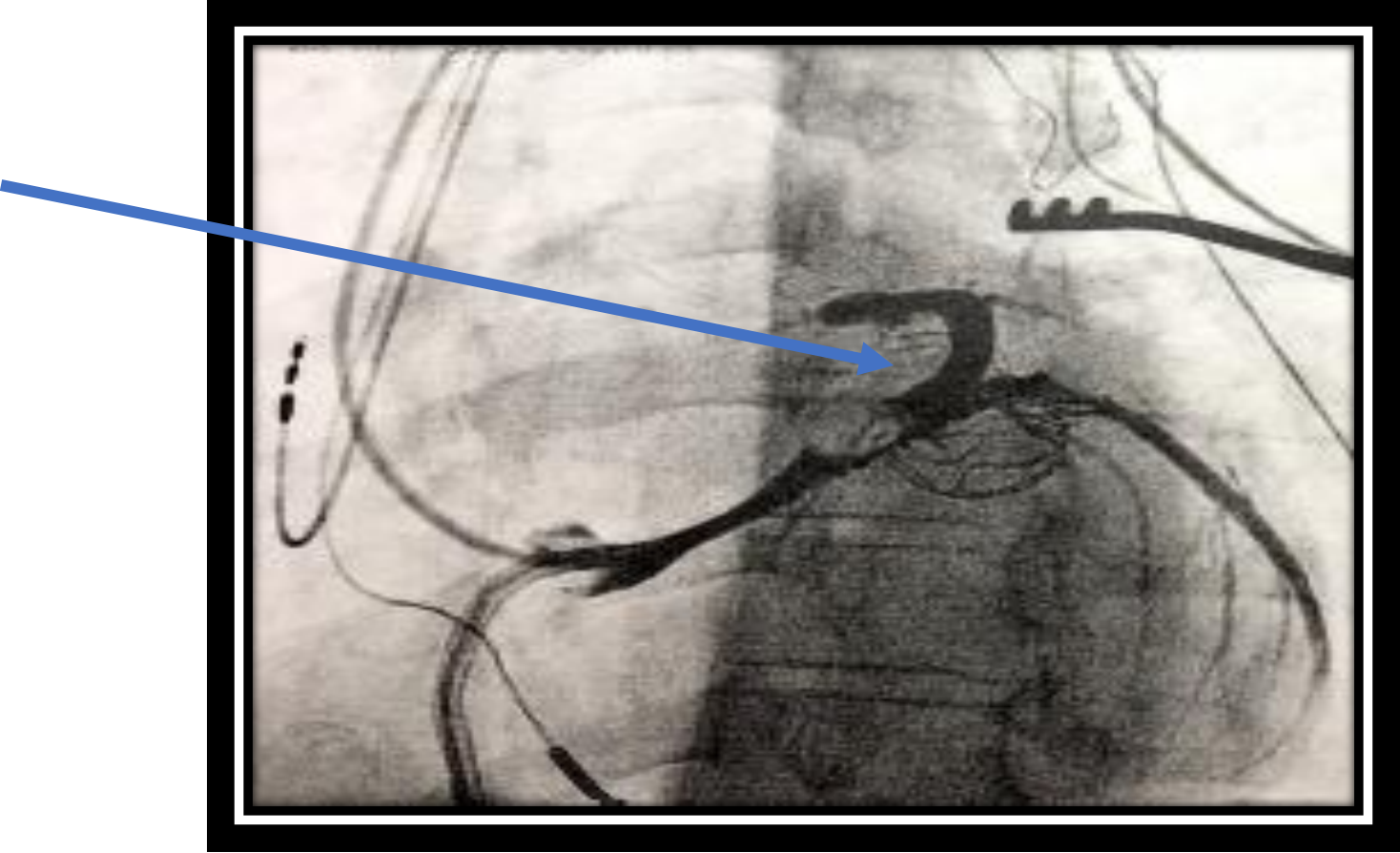


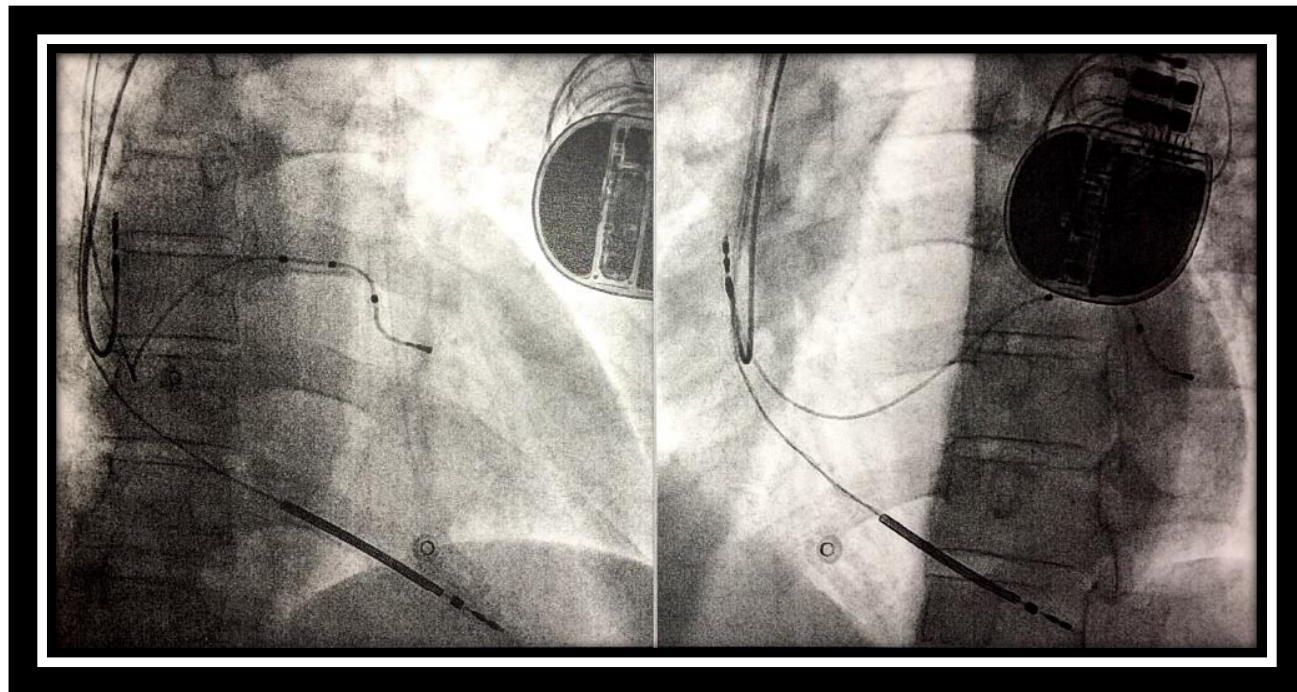
Gentamycin swab in the  
PPM pocket

CS from above, now with 2  
catheters in the CS/GCV



CS/GCV venogram





Baseline ECG: LBBB, QRSd = 176ms



Post CRT ECG: LBBB, QRSd = 130ms