

NKF-DOQI guidelines

- If the catheter is need for more than **3** weeks, a tunneled cuffed catheter should be used.

Clinical Practice Guideline for vascular access: Update **2000**.
Am J Kidney Dis 2001;37:S137-S181

NKF-DOQI guidelines

- If the catheter is need for more than **1** week, a tunneled cuffed catheter should be used.

Clinical Practice Guidelines and Clinical Practice
Recommendations **2006 updated**

Selection of length of catheters

- Right internal jugular or Subclavian : **19** cm. some case **23** cm. (Tip to Cuff)
- Left internal jugular : **23** cm. some case **28** cm (Tip to Cuff)
- Femoral : **31** cm CentrosFLO , **33** cm or more(**55** cm) (Maxid or Palindrome)

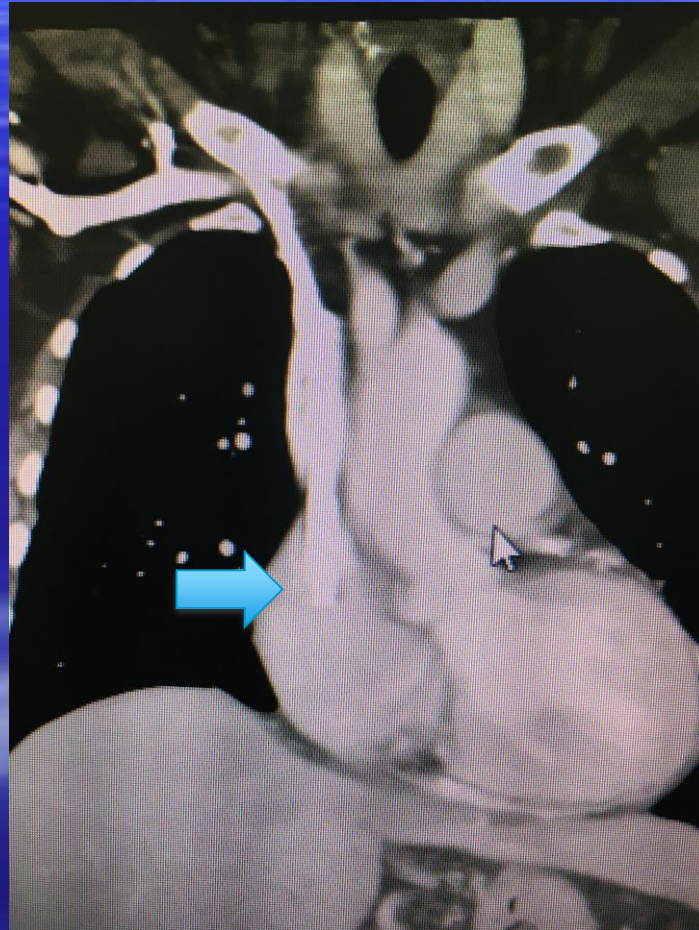
Sedillot's Triangle



CXR post procedure



CT Chest : Tip Position

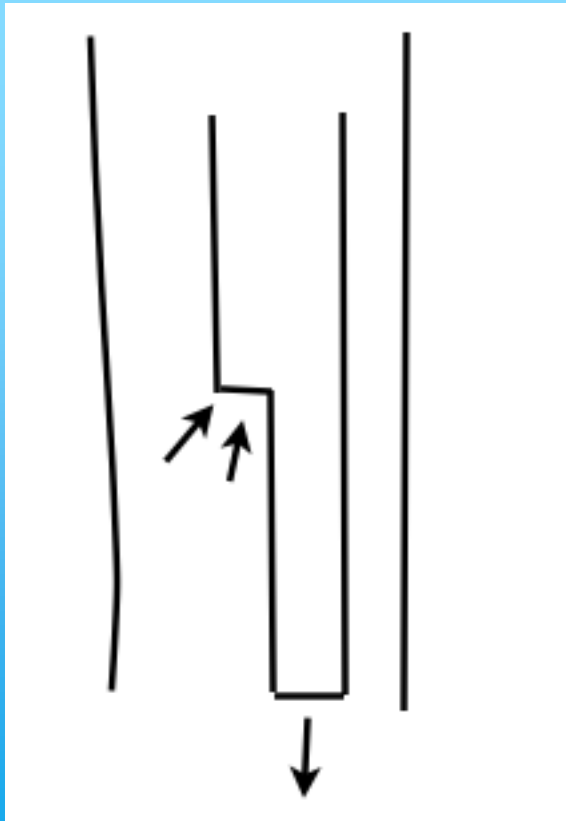


Position of Tip of Perm. Cath.

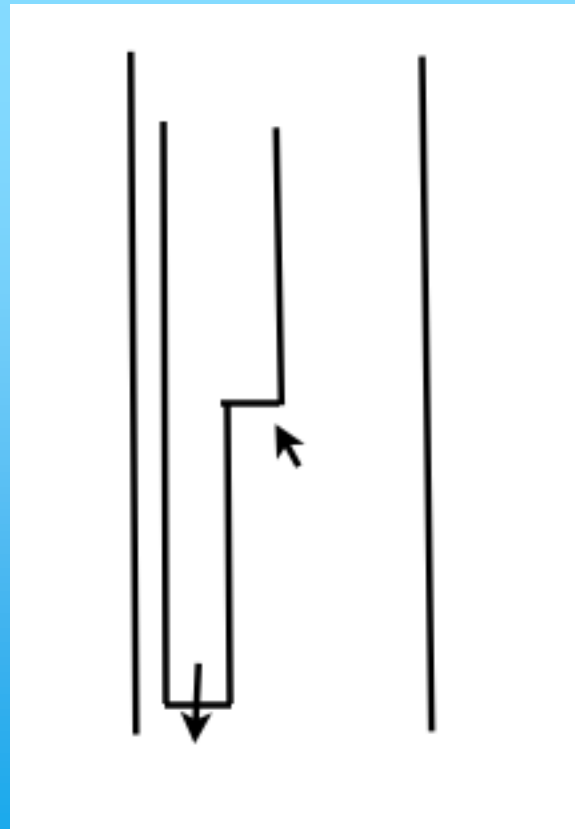
- Long-term catheter system: Tunneled cuffed catheter (TCC) and tunneled port catheter should have their tips within the **right atrium** confirmed by fluoroscopy for optimal flow. (CPG 2.4)

Tip position (No sucking wall)

Rt

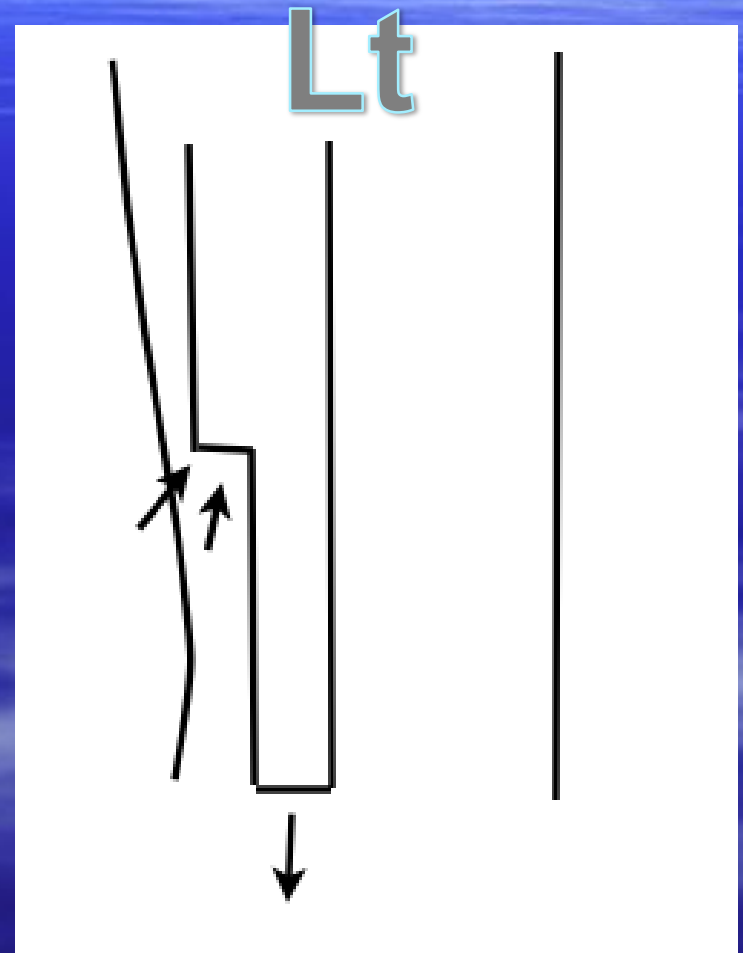
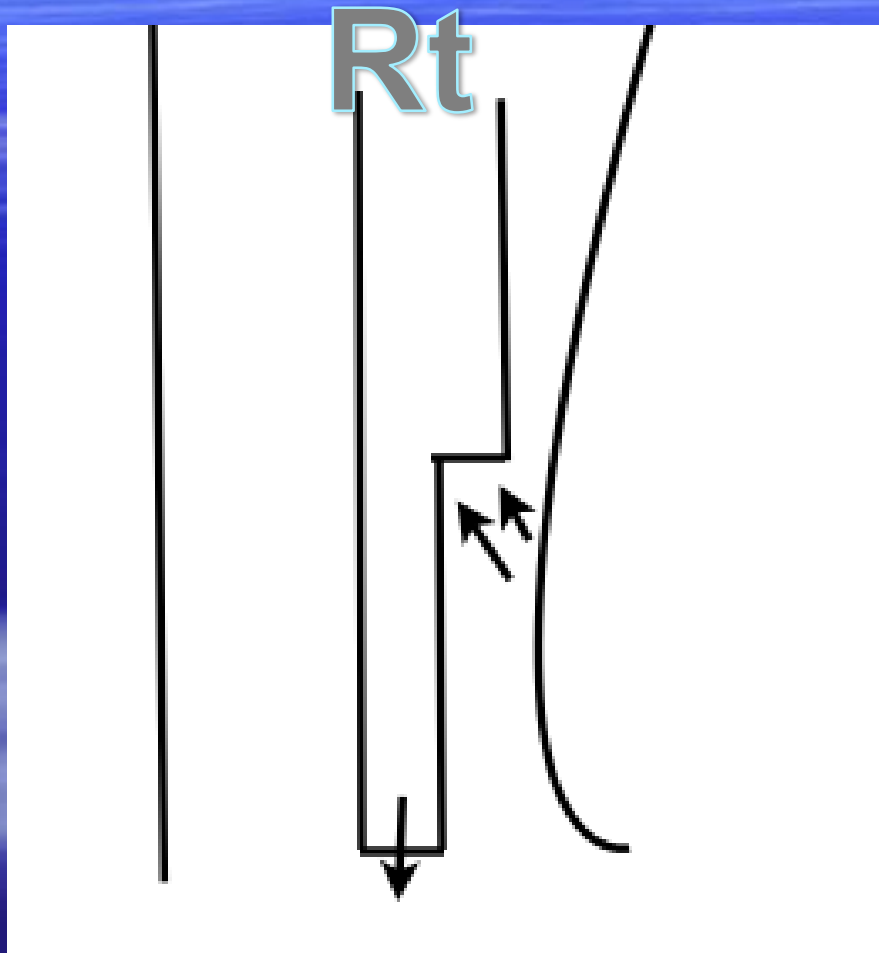


Lt



**No SUCKING
WALL**

Tip malposition : Sucking wall

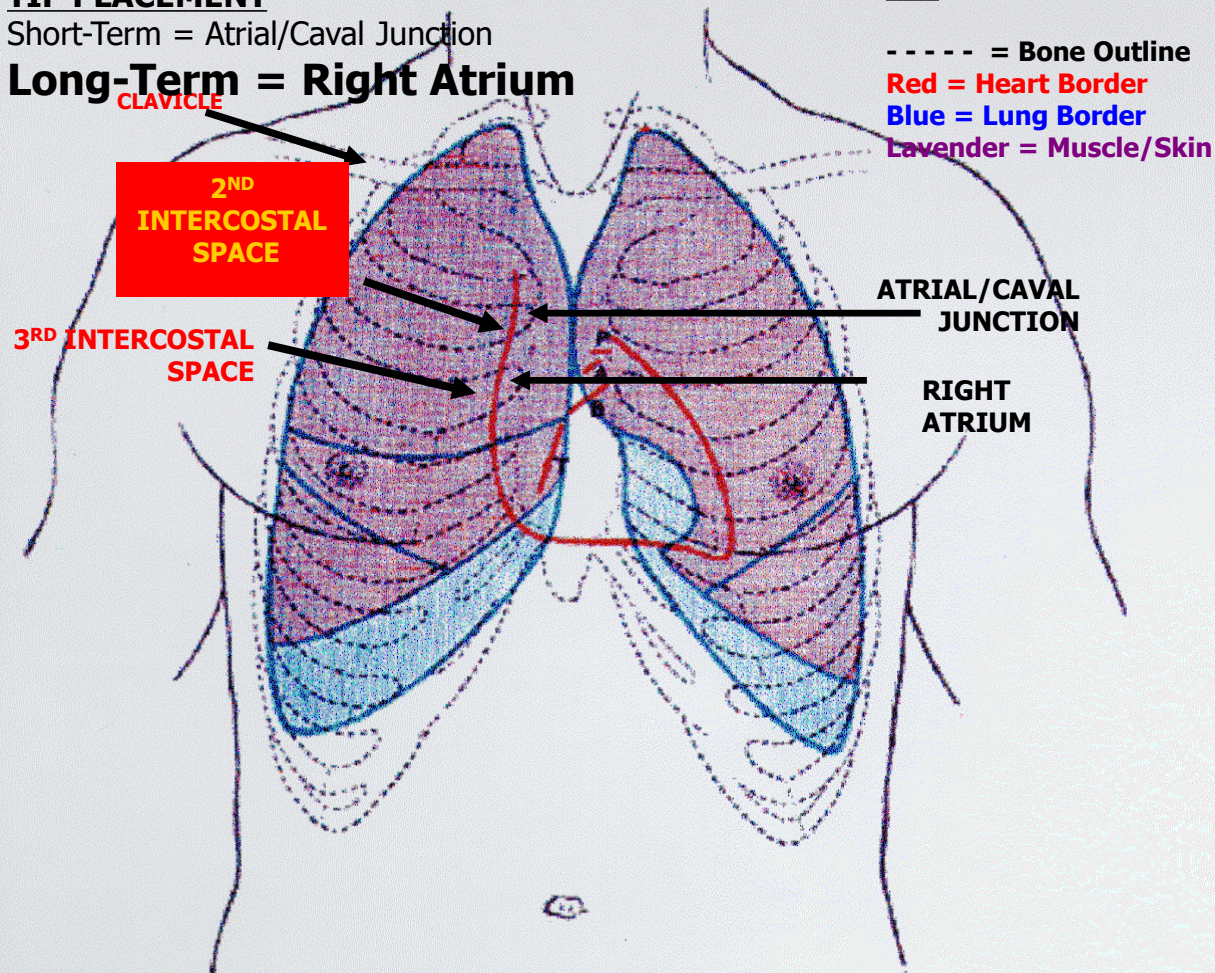


Anatomical correlation for Tip placement

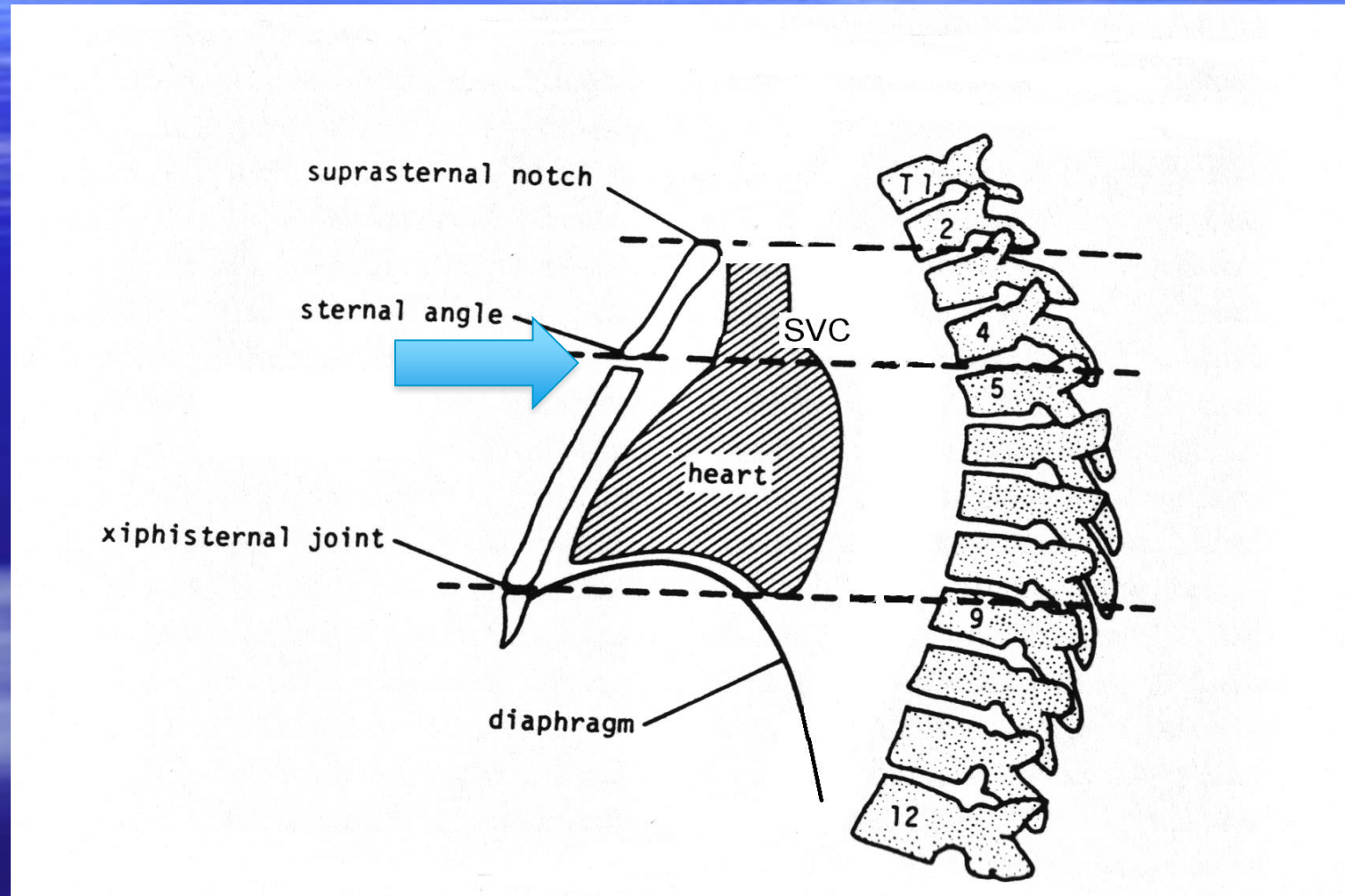
TIP PLACEMENT

Short-Term = Atrial/Caval Junction

Long-Term = Right Atrium



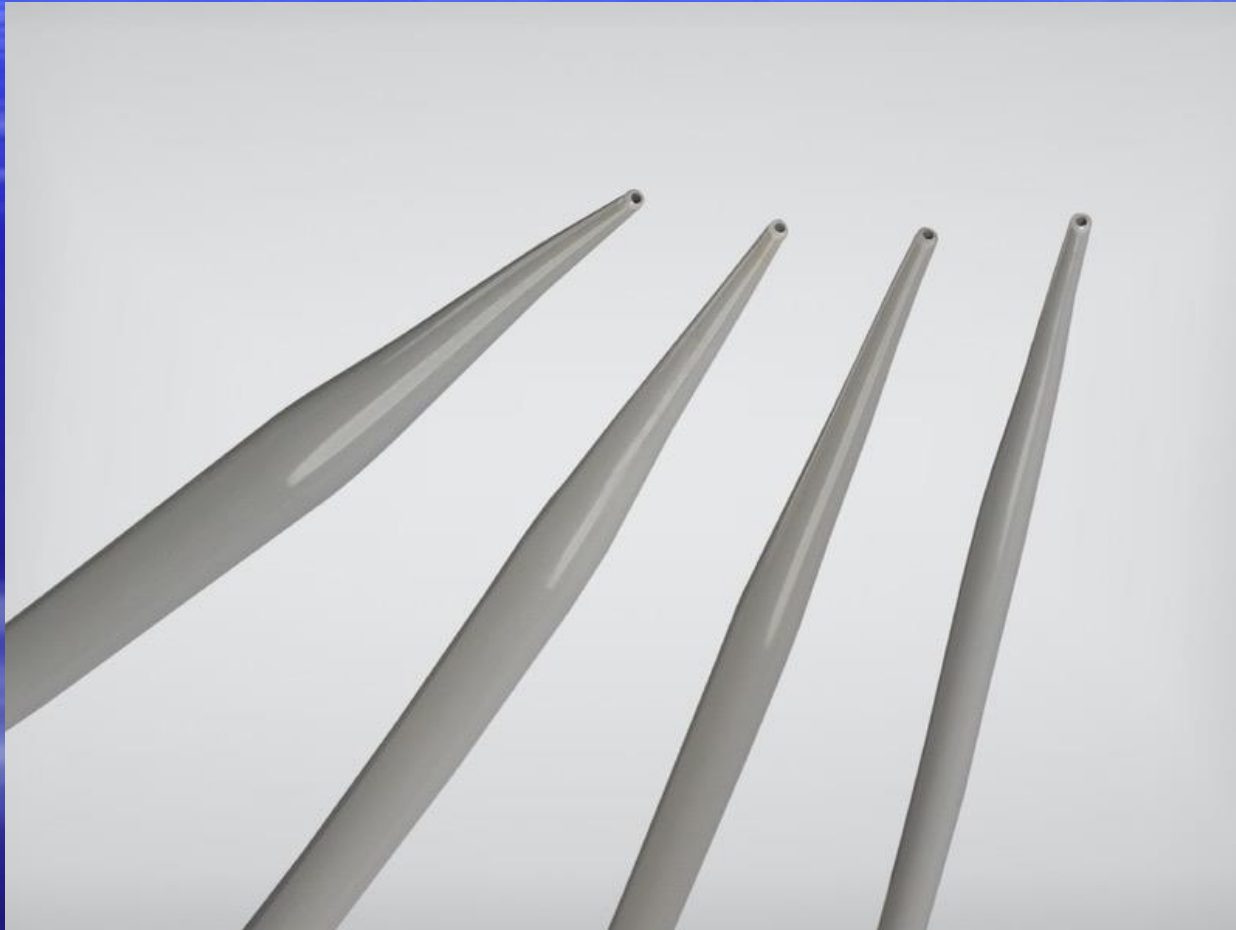
Position of tip (SVC&RA junction)



Difficult Case : Special Instrument

- Hydrophobic Guidewire
- Terumo Guidewire
- Roadrunner Guidewire
- Amplatz Guidewire
- Long Endovascular Dilator
- Balloon Dilator

Cook Endovascular Dilator



Size of Dilator Endovascular set

Accepts Wire Guide Diameter Inch	French Size	Length cm	Hydrophilic Coating
.035	14	45	yes
.035	16, 18	45	yes
.035	20, 22	45	yes

สูงสุดแดนสยาม THE HIGHEST SPOT IN THAILAND

สูงจากระดับน้ำทะเลปานกลาง 2,565.3341 เมตร
25653341 Meters Above Mean Sea Level

อุทยานแห่งชาติดอยอินทนนท์ กรมอุทยานแห่งชาติ สัตว์ป่า และพันธุ์พืช
Doi Inthanon National Park The National Park Wildlife Conservation Department

สมเกียรติ สอนิช



Thank you