

WavelinQ!

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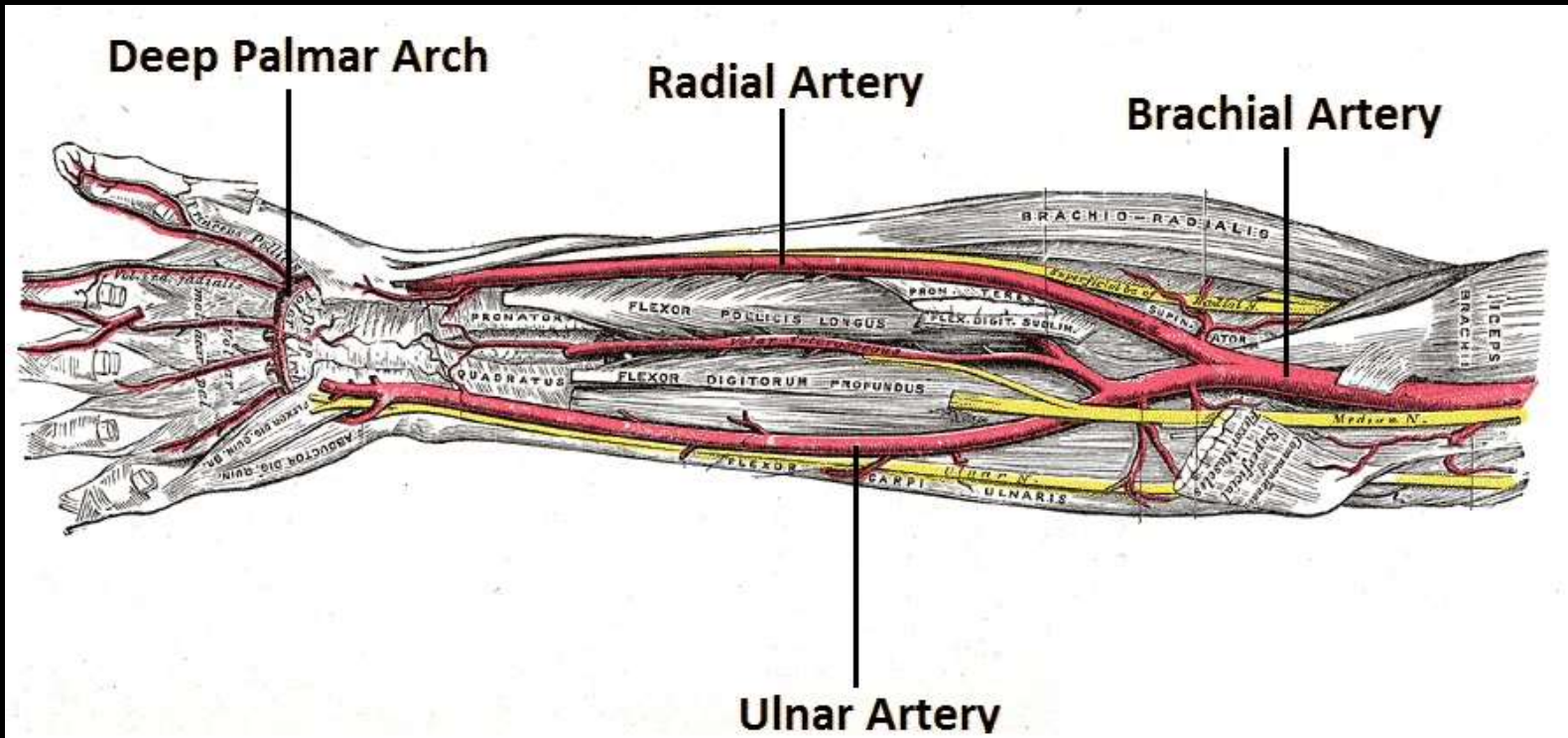
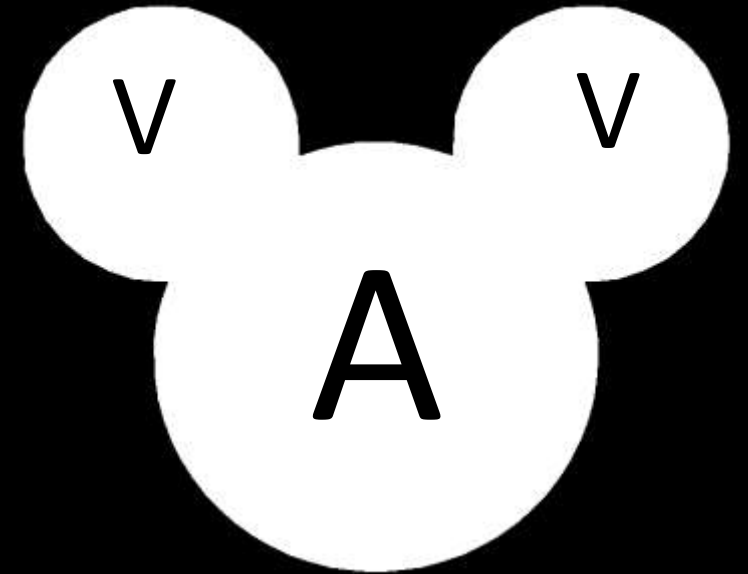
Fundamentals

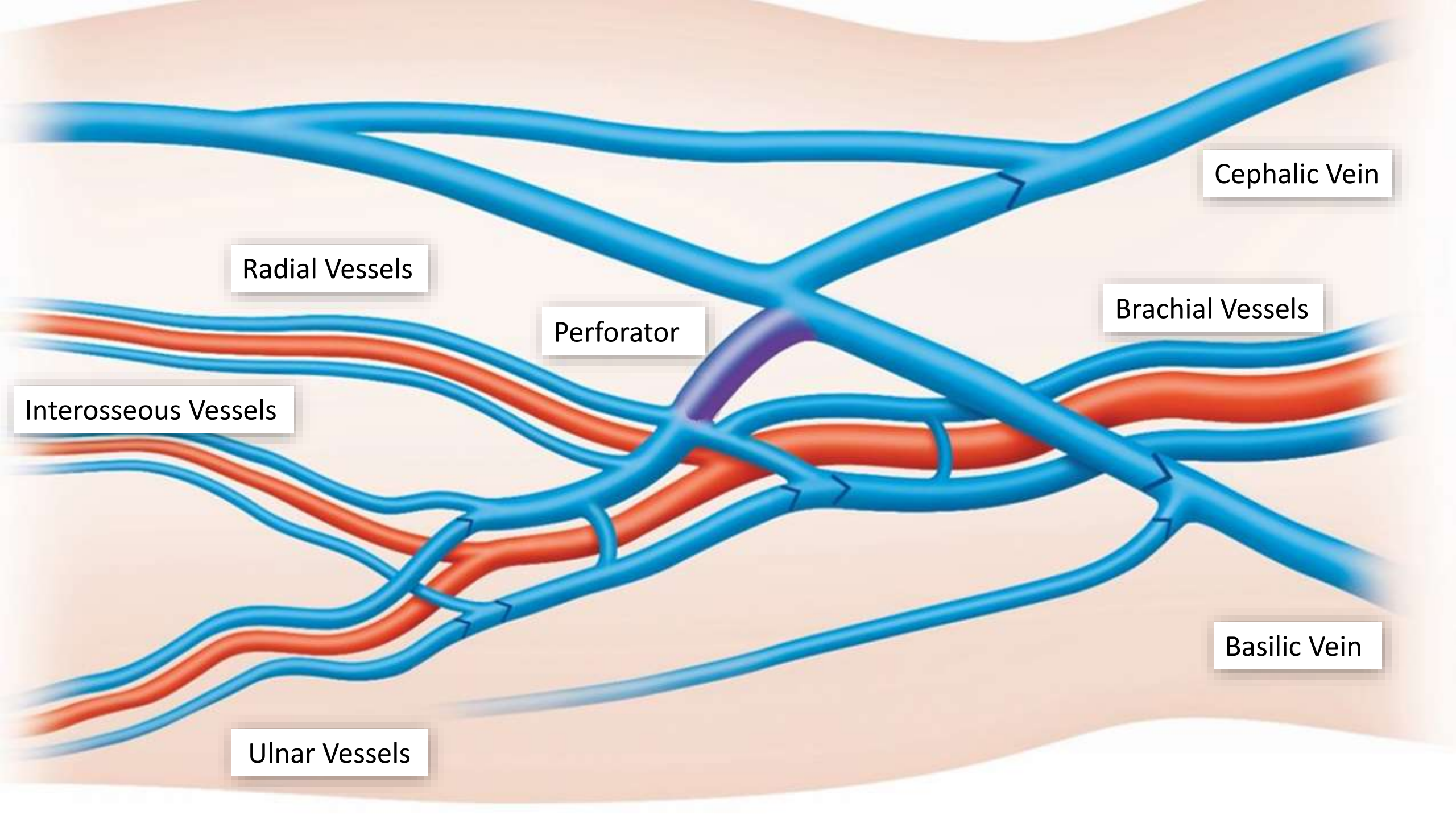
Two venous networks: Deep and Superficial

One arterial network

Deep Venous + Arterial go together (2:1)

Superficial: Basilic v. Cephalic v.





Cephalic Vein

Radial Vessels

Brachial Vessels

Perforator

Interosseous Vessels

Basilic Vein

Ulnar Vessels

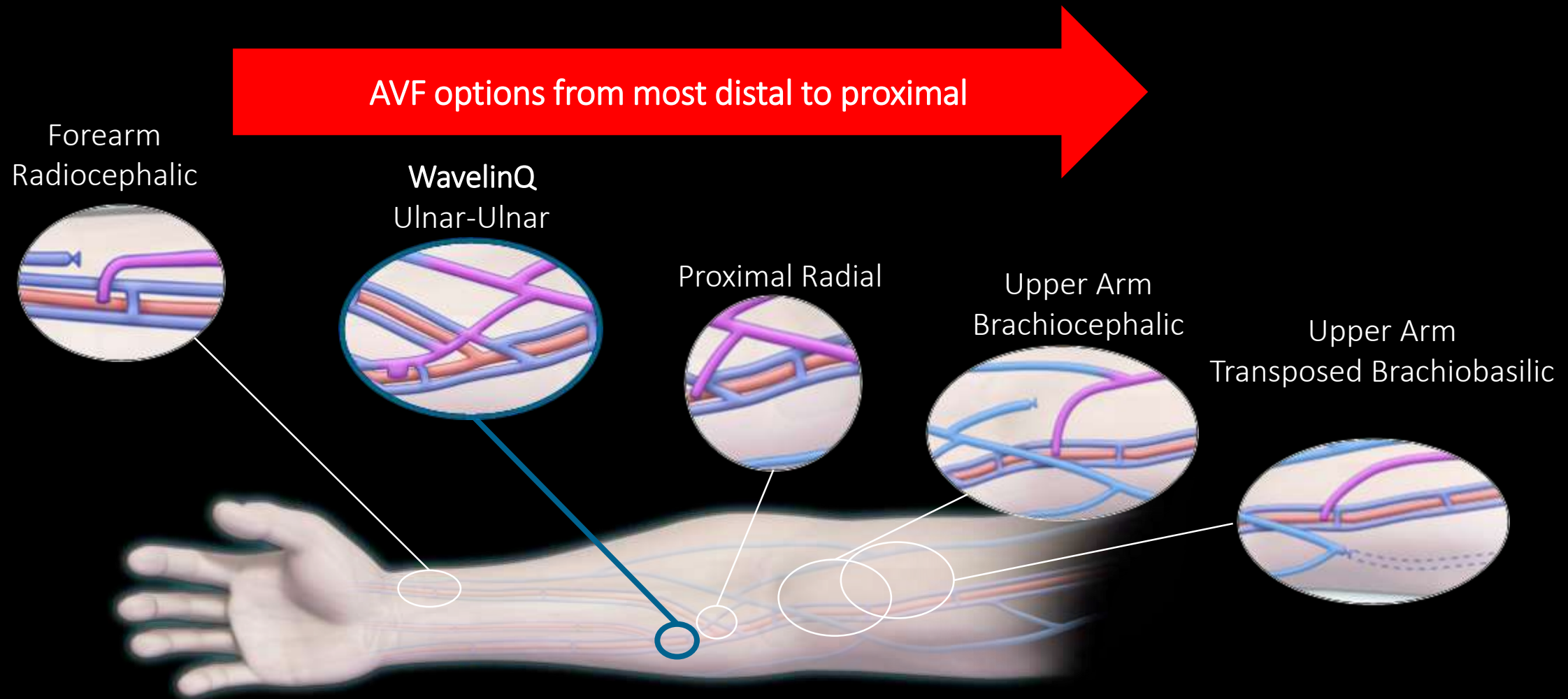
What kind of AVF does WavelinQ create?

Deep Vein AVF

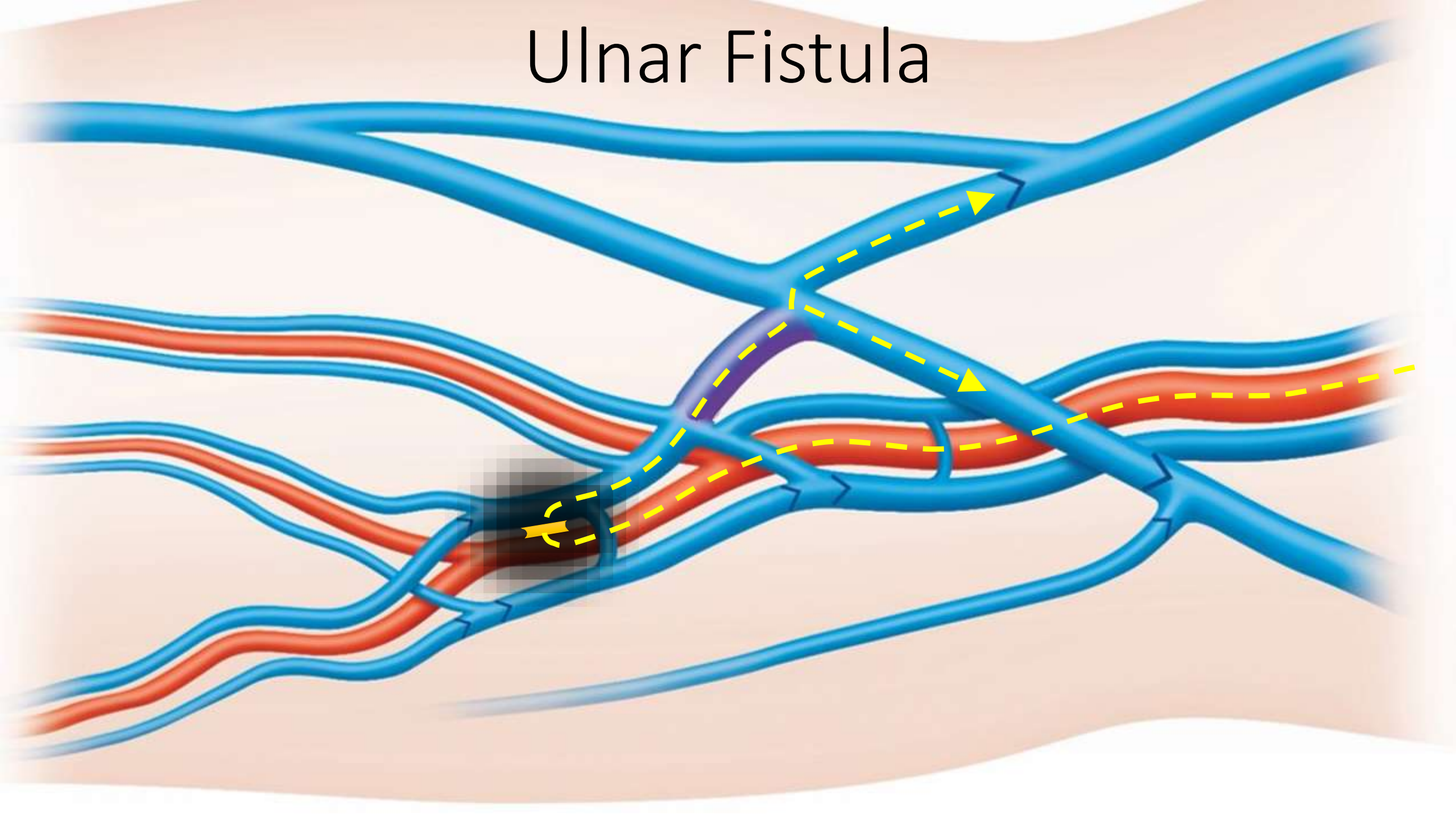
Radial Artery – Radial Vein

Ulnar Artery – Ulnar Vein

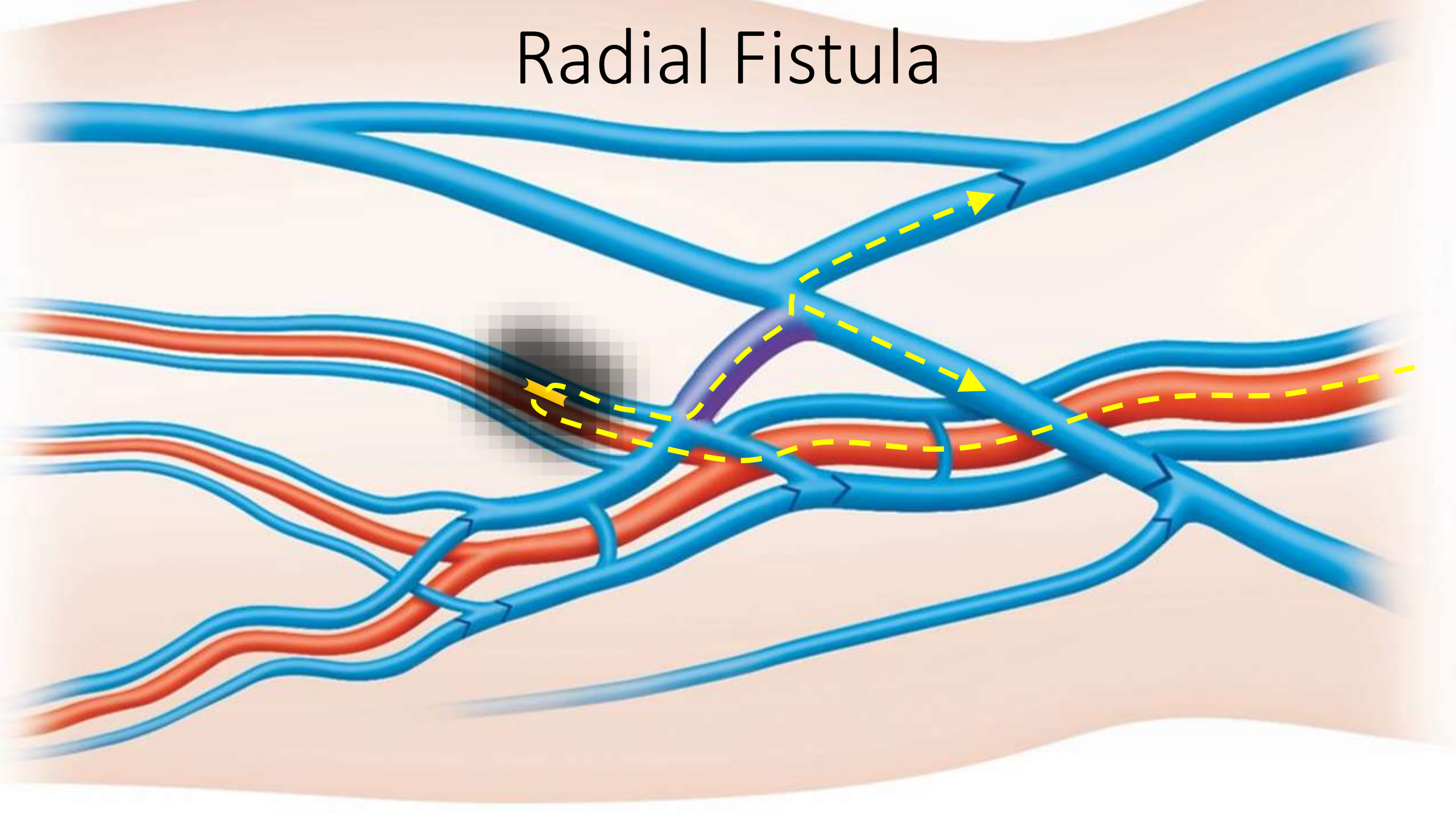
WavelinQ™ 4 Provides An Additional AVF Option



Ulnar Fistula

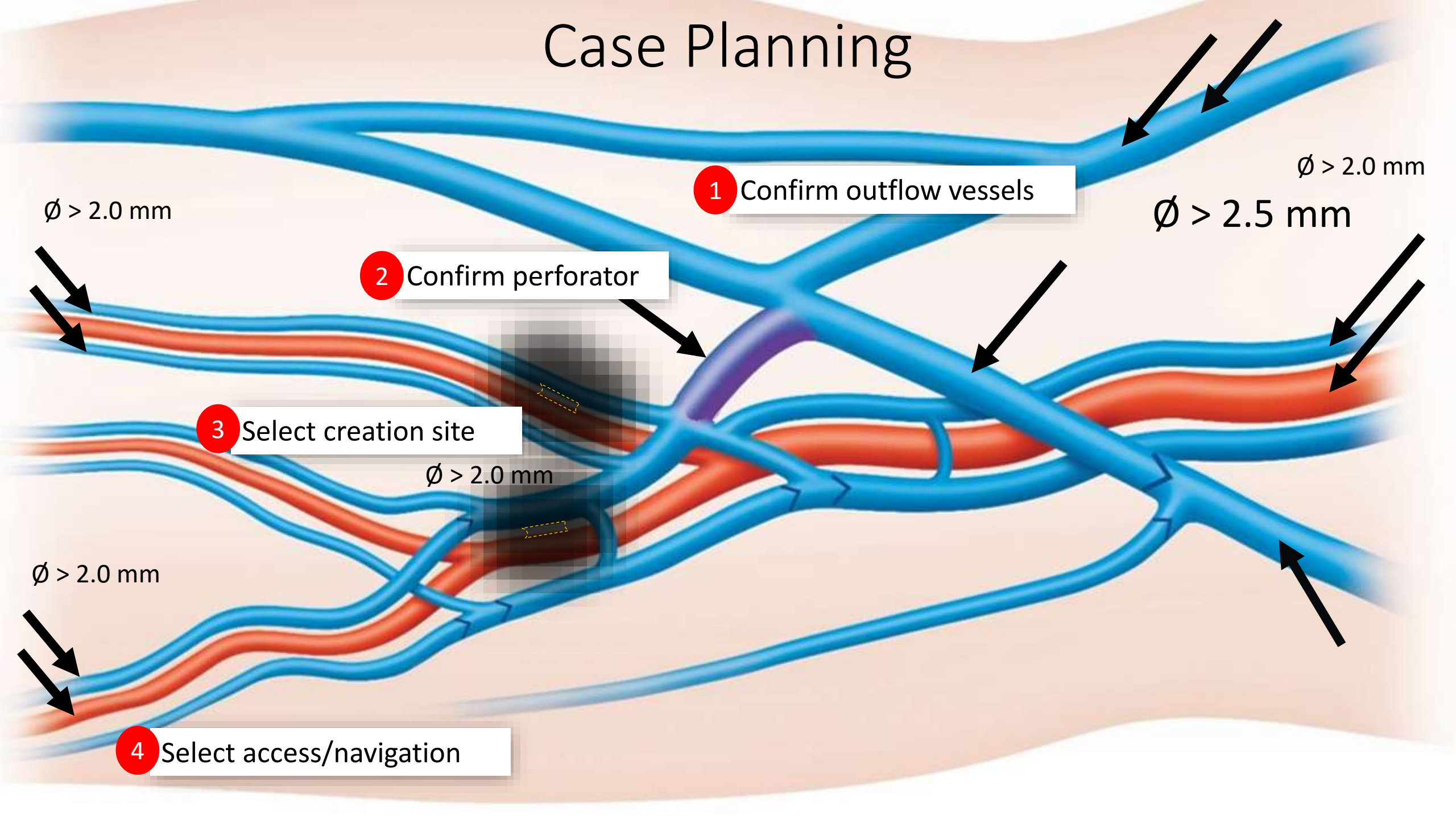


Radial Fistula



Planning

Case Planning



1 Confirm outflow vessels

2 Confirm perforator

3 Select creation site

4 Select access/navigation

$\varnothing > 2.0 \text{ mm}$

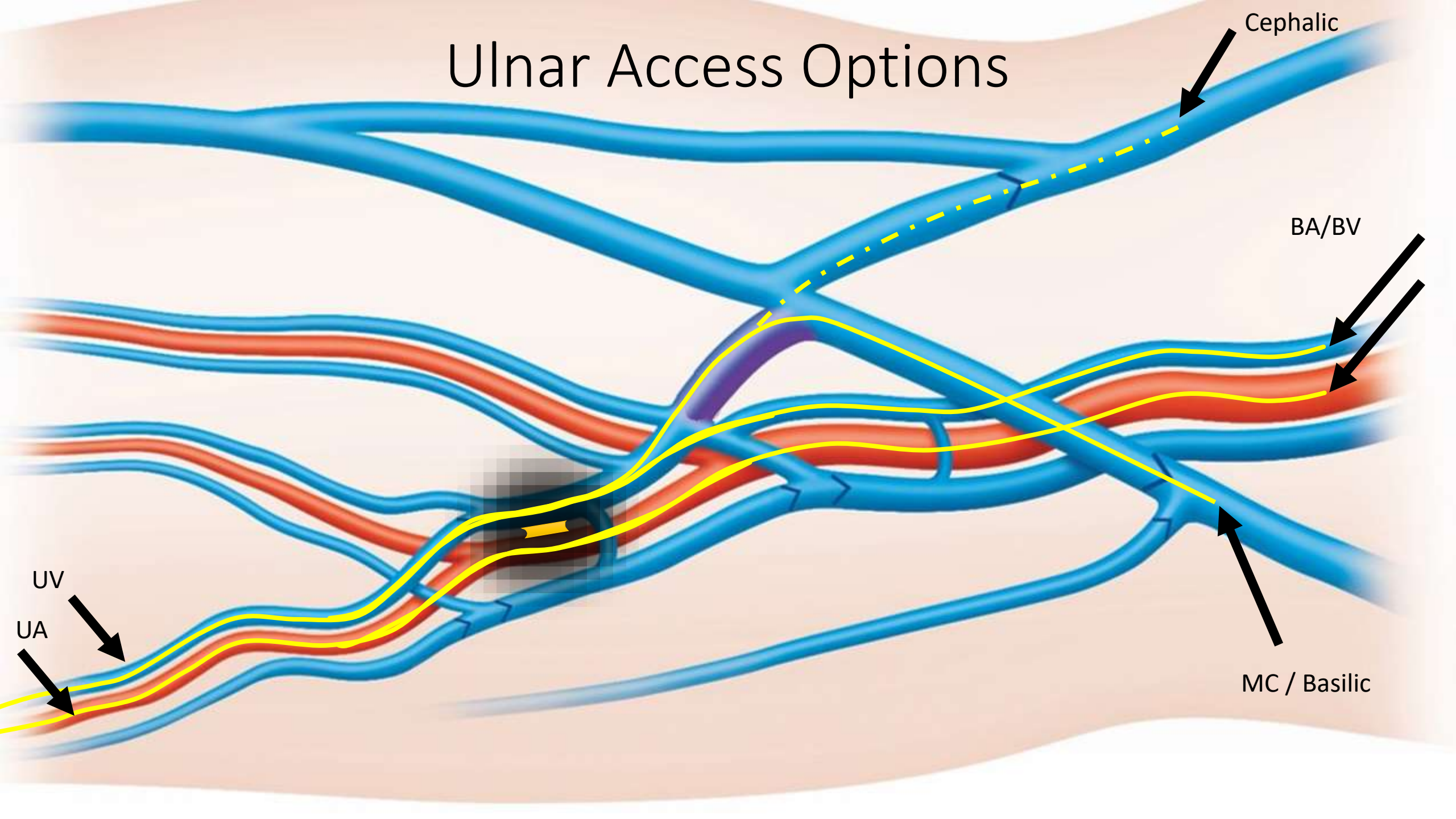
$\varnothing > 2.0 \text{ mm}$

$\varnothing > 2.5 \text{ mm}$

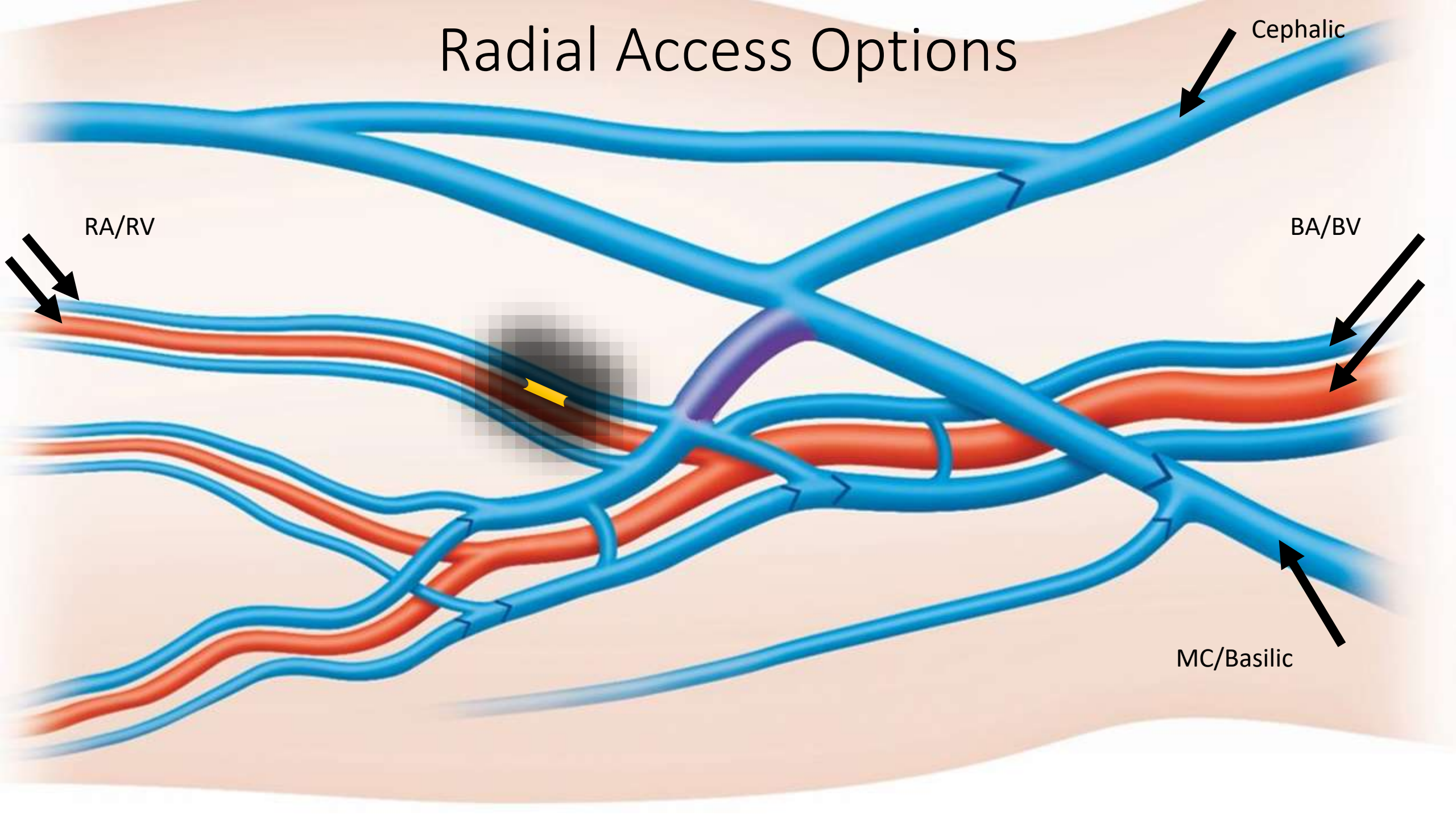
$\varnothing > 2.0 \text{ mm}$

$\varnothing > 2.0 \text{ mm}$

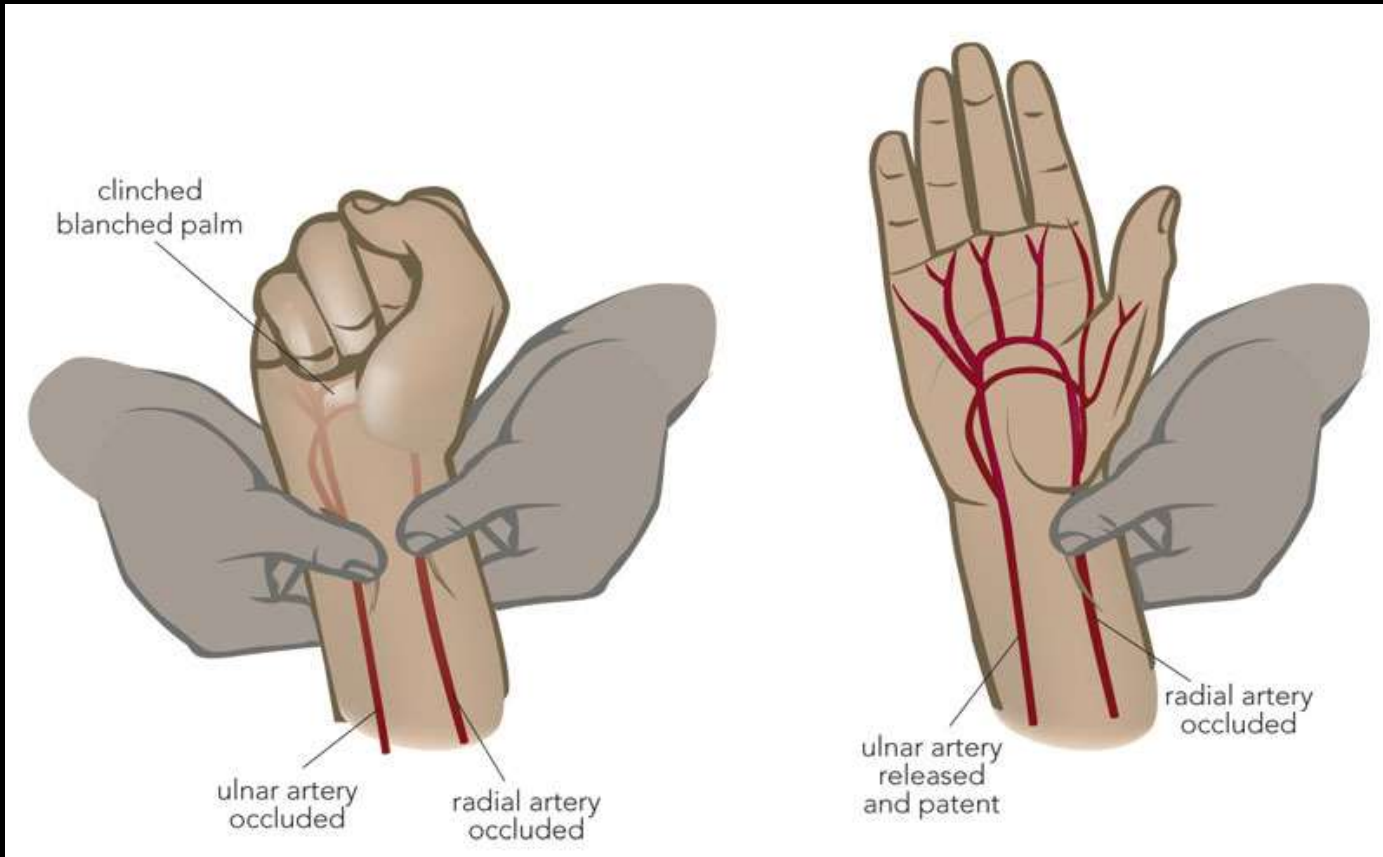
Ulnar Access Options



Radial Access Options



Distal Arterial Access - Screening



Calcification



Calcification may inhibit electrode cutting.
Avoid locating the fistula in areas of apparent calcification (DUS/fluoroscopy)
A partial fistula, if experienced, may be improved with angioplasty

WavelinQ System







Venous Catheter



Arterial Catheter

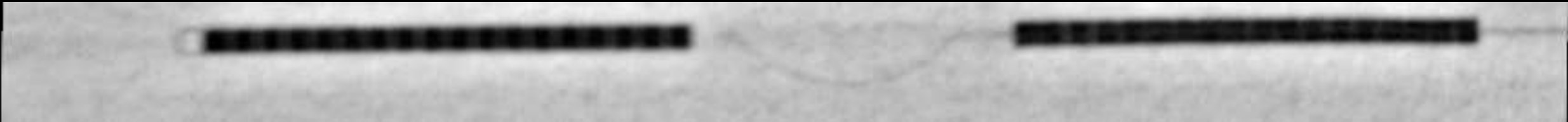
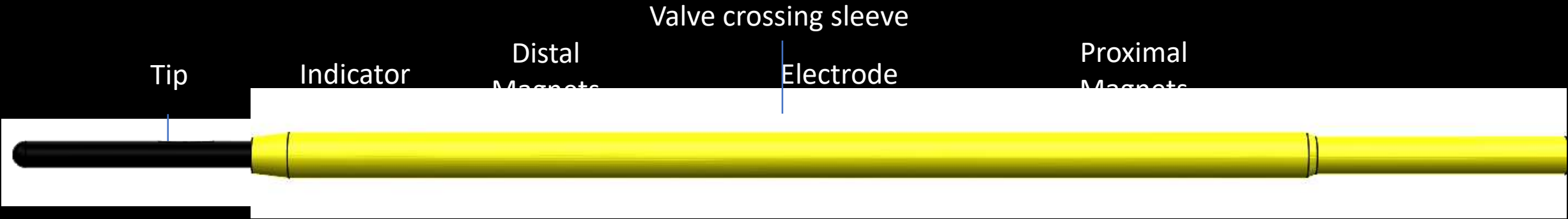
4 Fr catheter profile

Compatible with 5 Fr or 4/5 slender sheath with a .014" guidewire RX

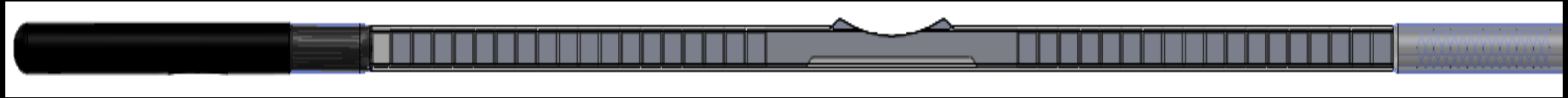
Hydrophilic coating: distal 23 cm

Working length from hub to electrode: 40 cm

Venous Catheter

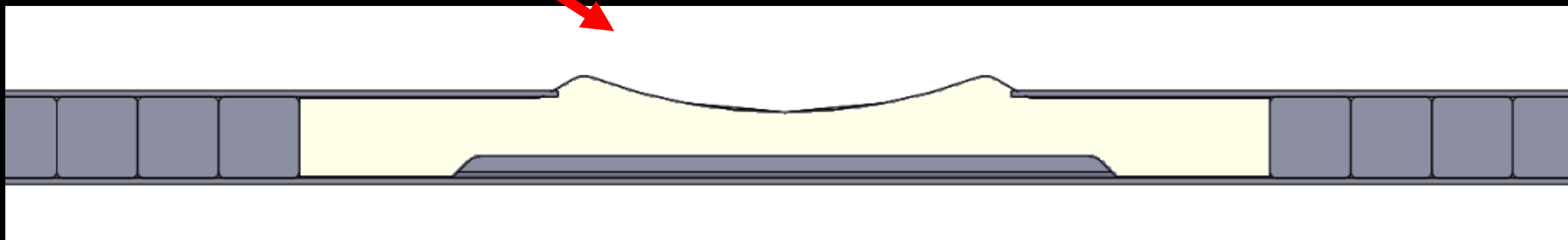


Arterial Catheter

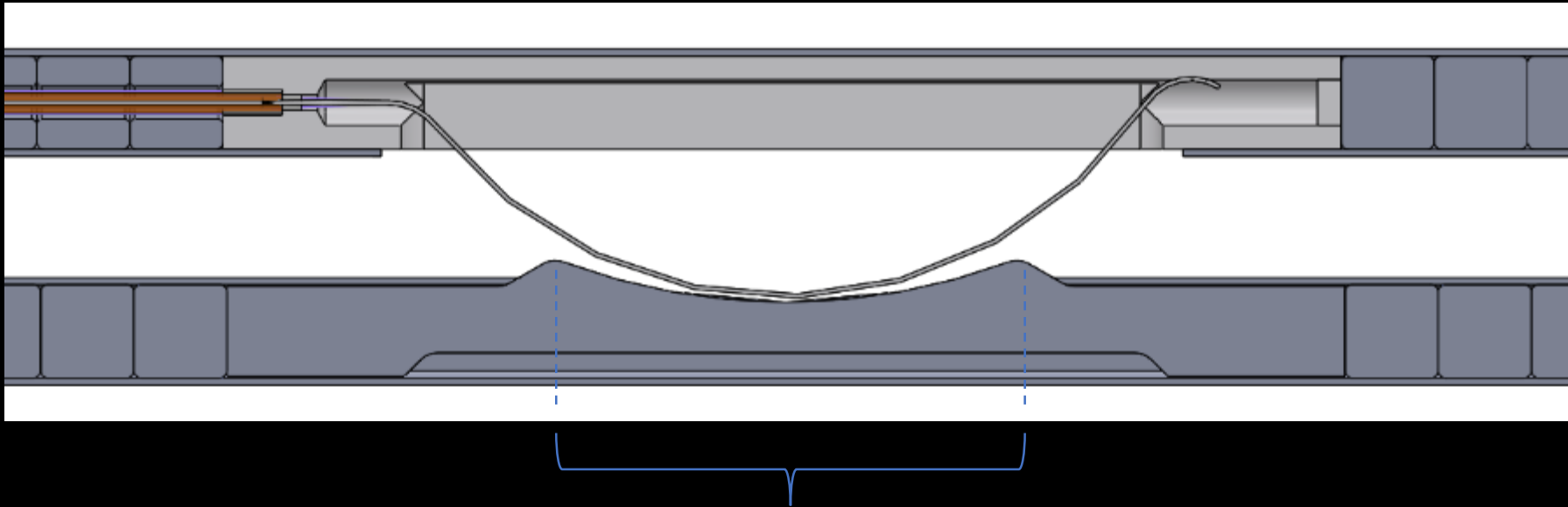


Arterial Catheter

Ceramic backstop designed to receive cutting electrode

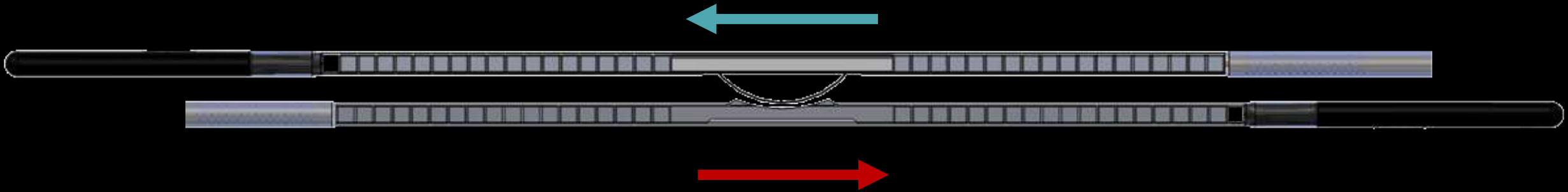
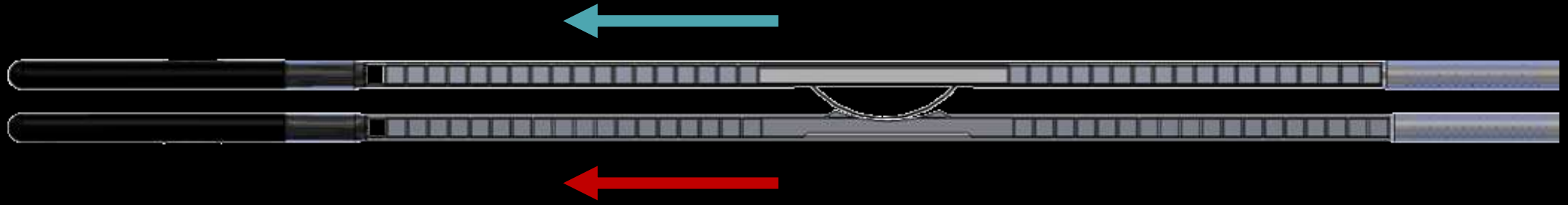


Catheter Interaction



When correctly aligned,
the arc of the electrode falls into the “saddle” of the ceramic backstop
Peaks of “saddle” control the fistula length

Device Symmetry



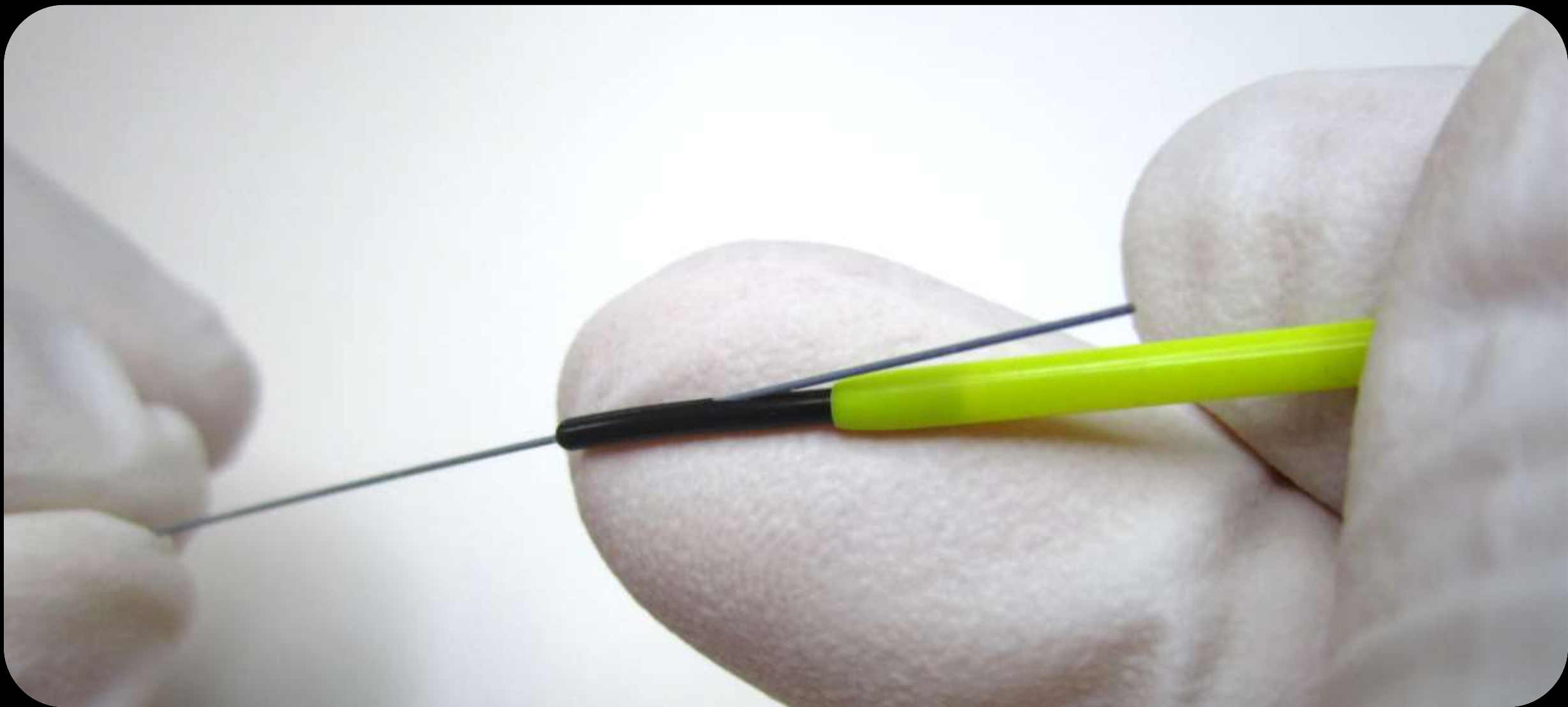
Rapid Exchange Catheter (a.k.a. Monorail)

0.014" compatible RX
guidewire lumen

Rotational Indicator

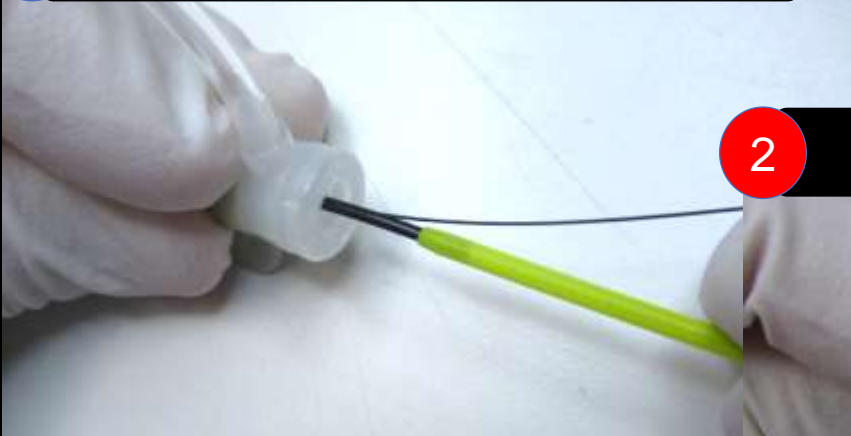
Distal magnet array
(square cross section)





1

Insert catheter tip



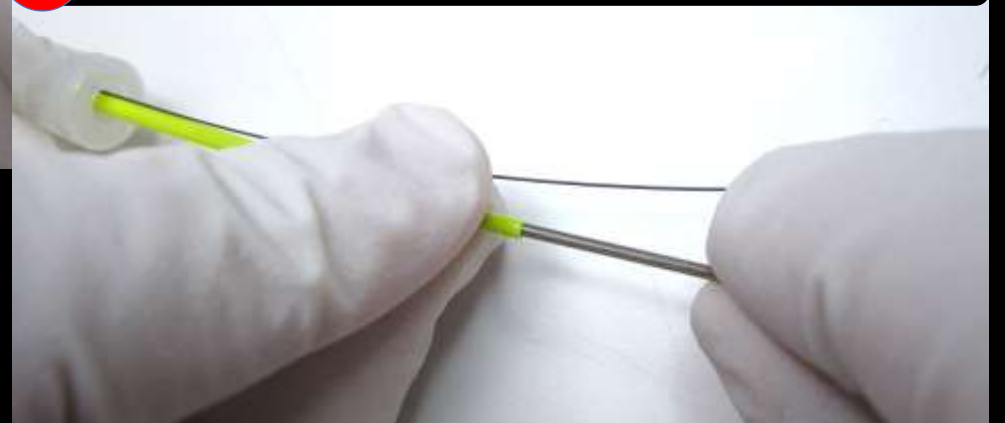
2

Insert valve crosser



3

Introduce catheter through valve crosser





Procedure

Thank You!

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