

La veine perforante : une veine oubliée ?



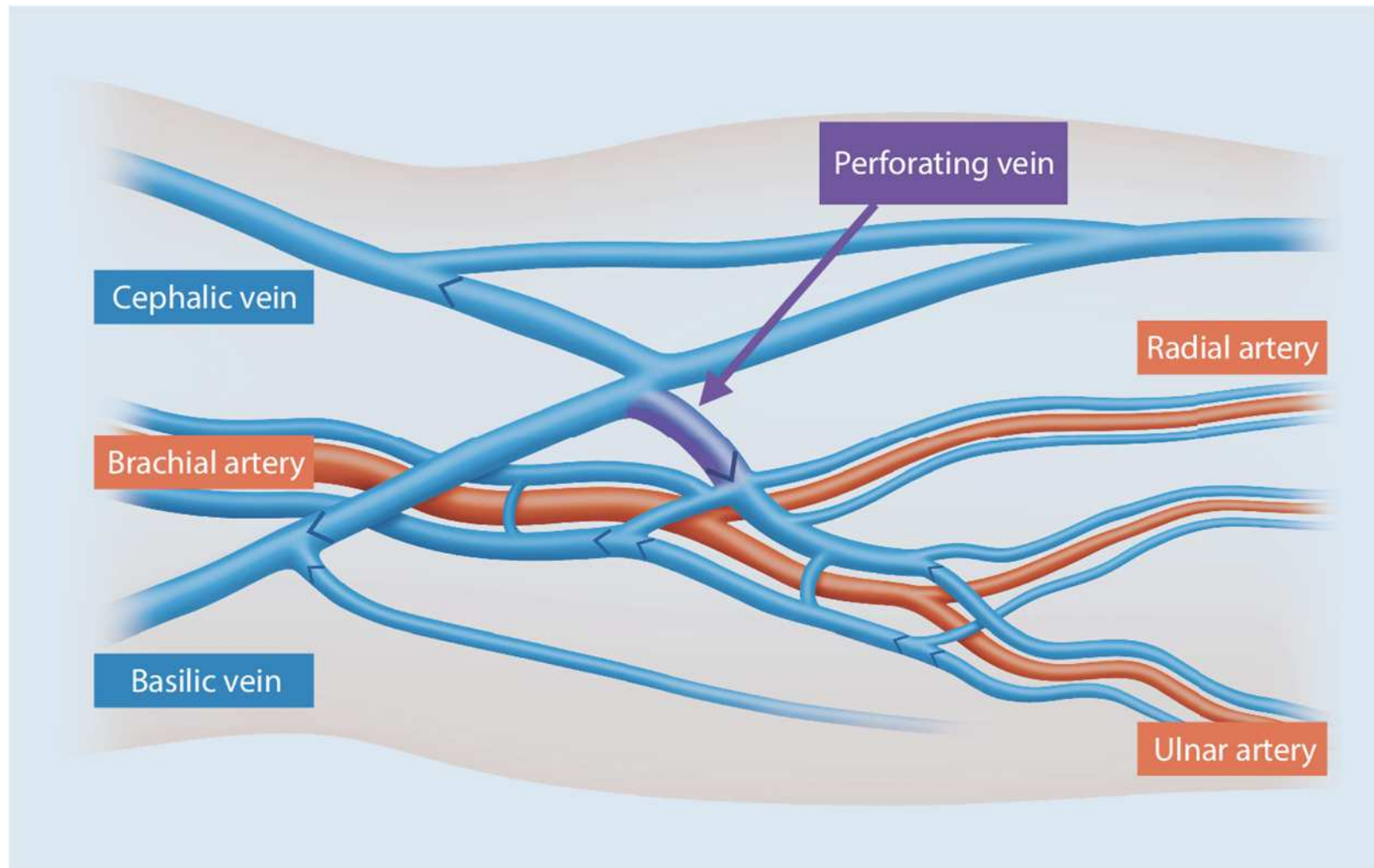
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Ajaccio, Mai 2024

ANATOMIE

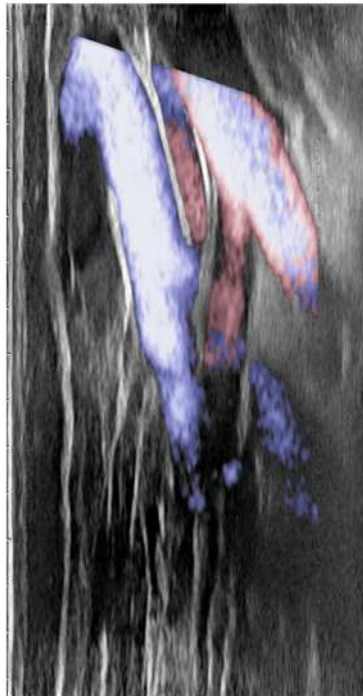


FRÉQUENCES

Upper Extremity Vessel Mapping n=116		
Acceptable Anatomy per IFU (n, % n)		
RCF	Ellipsys™ (EL)	WavelinQ™ (WQ)
37 (32%)	60 (52%)	108 (93%)

Perforator and Superficial Outflow Criteria	
Perforator Vein $\geq$ 2 mm	76 (66%)
Basilic Vein $\geq$ 2mm* OR	90 (78%)
Cephalic Vein $\geq$ 2mm*	61 (53%)

Popli, JVS 2021

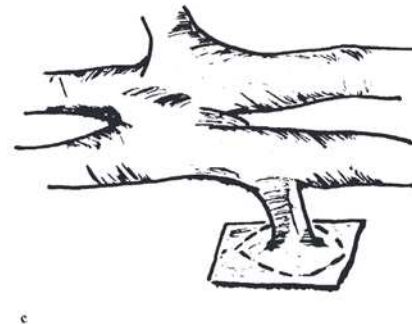
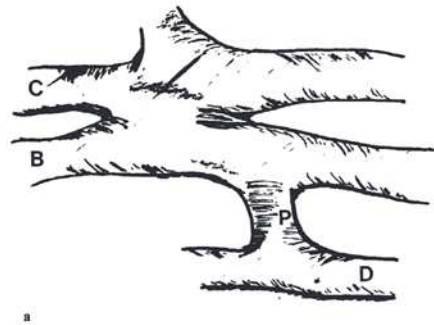


Franco JVS 2020

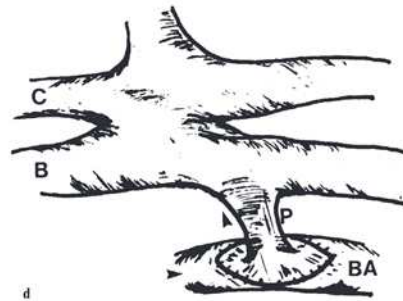
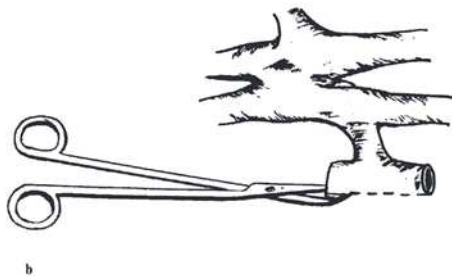
84 % de veine perforante >2 mm

1ère description : FAV de Gracz

Gracz KC, et al. Kidney Int 1977



Palette pour anastomose large de 8mm



Artère brachiale

Modification de Konner : anastomose de 3-5mm

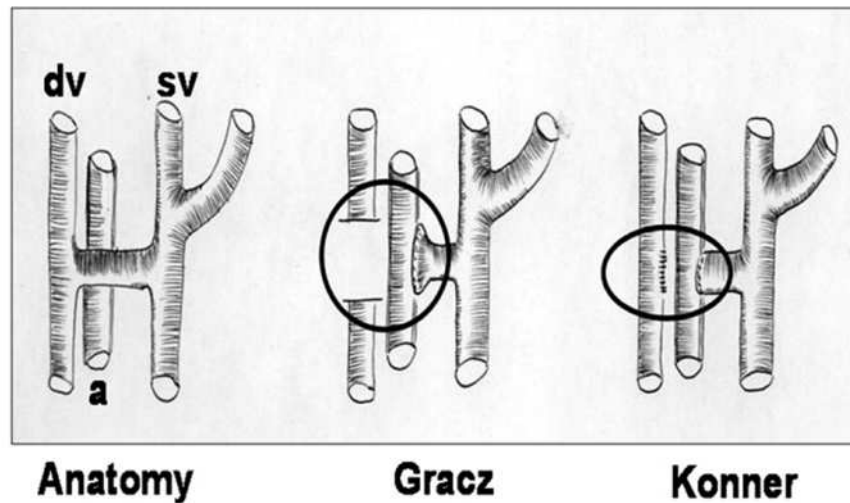
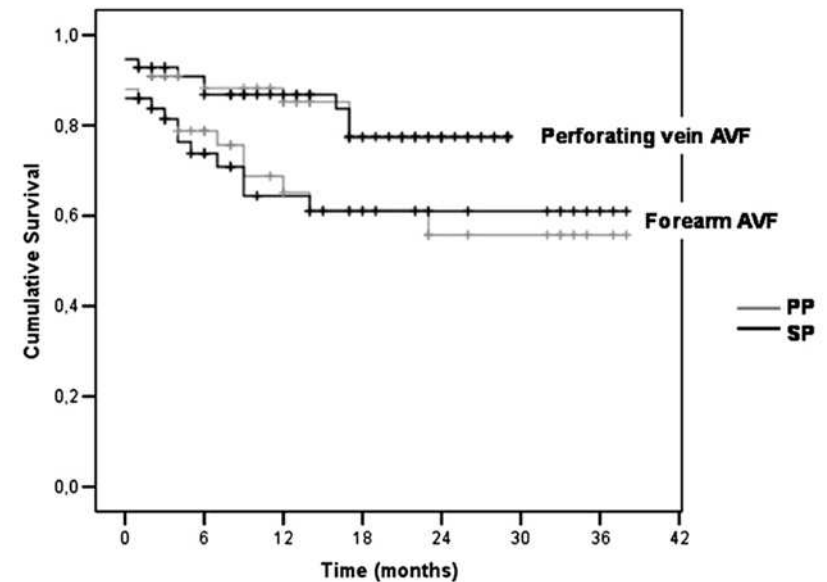


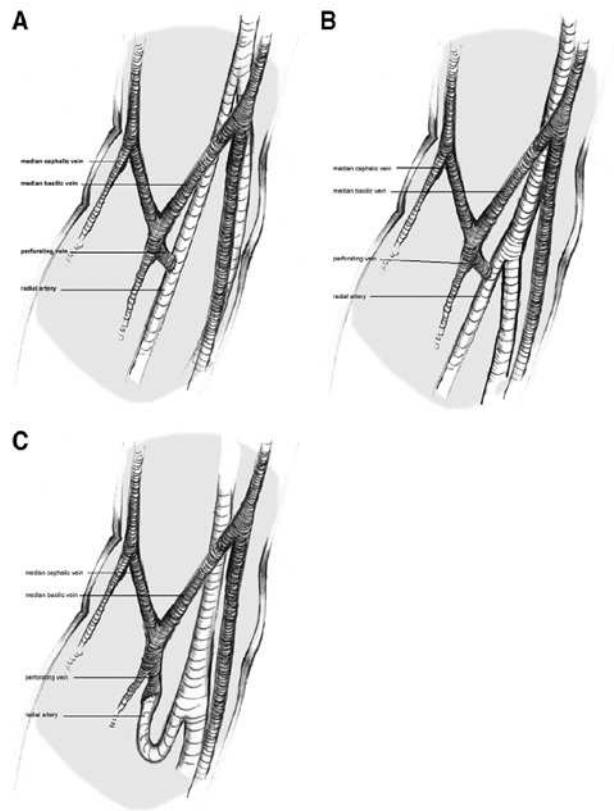
Fig. 1. Gracz-AVF, modification by Konner. (dv = deep vein, a = artery and sv = superficial vein).



Palmes, NDT 2011

FAV sur l'artère radiale proximale

Veine perforante : « veine naturelle » lorsqu'elle est présente



Weyde, AJKD 2007

77 patients

Success : 56 patients (73%)

Primary patency rates :

47% at 1 year,

43% at 2 years,

39% at 3 years.

Secondary patency :

67% at 1 year,

56% at 2 years,

53% at 3 years.

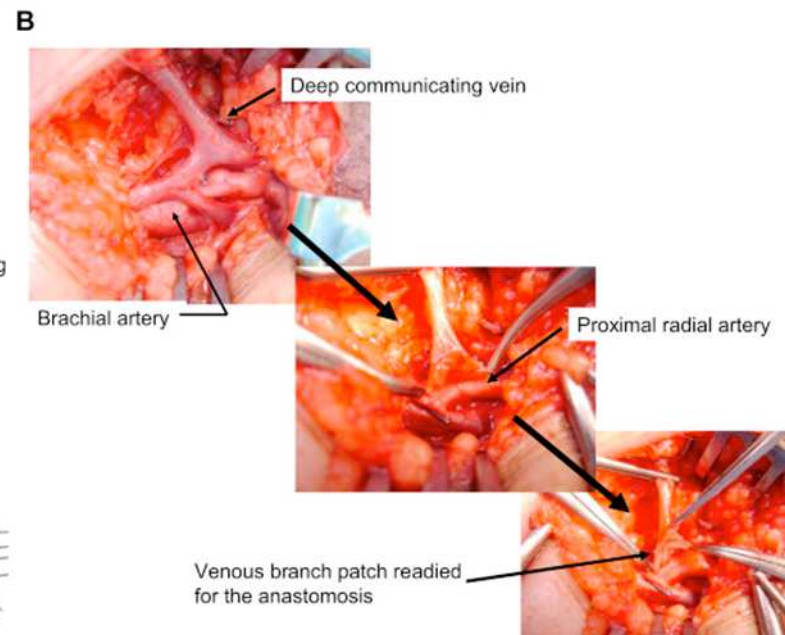
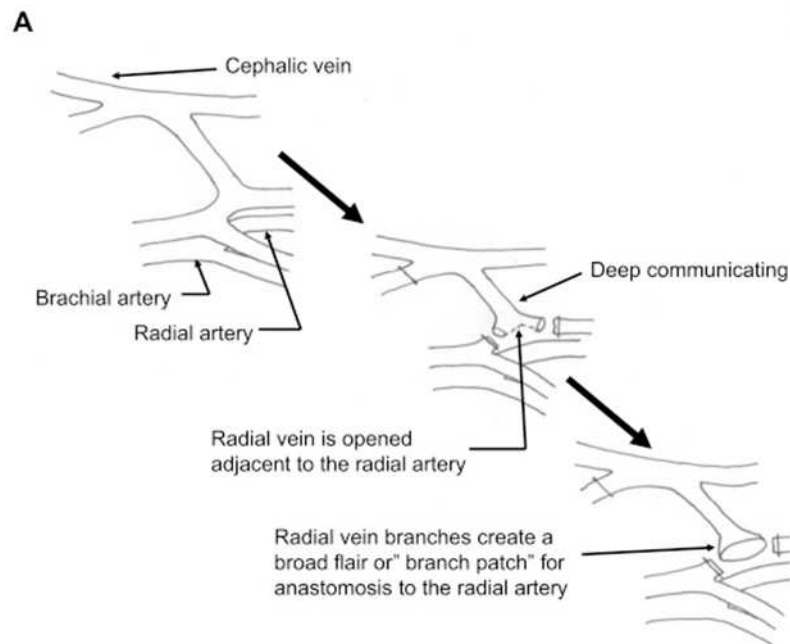
FAV sur l'artère radiale proximale

Série non exclusive à la perforante mais favorisée lorsque possible

Jennings, JVS 2018

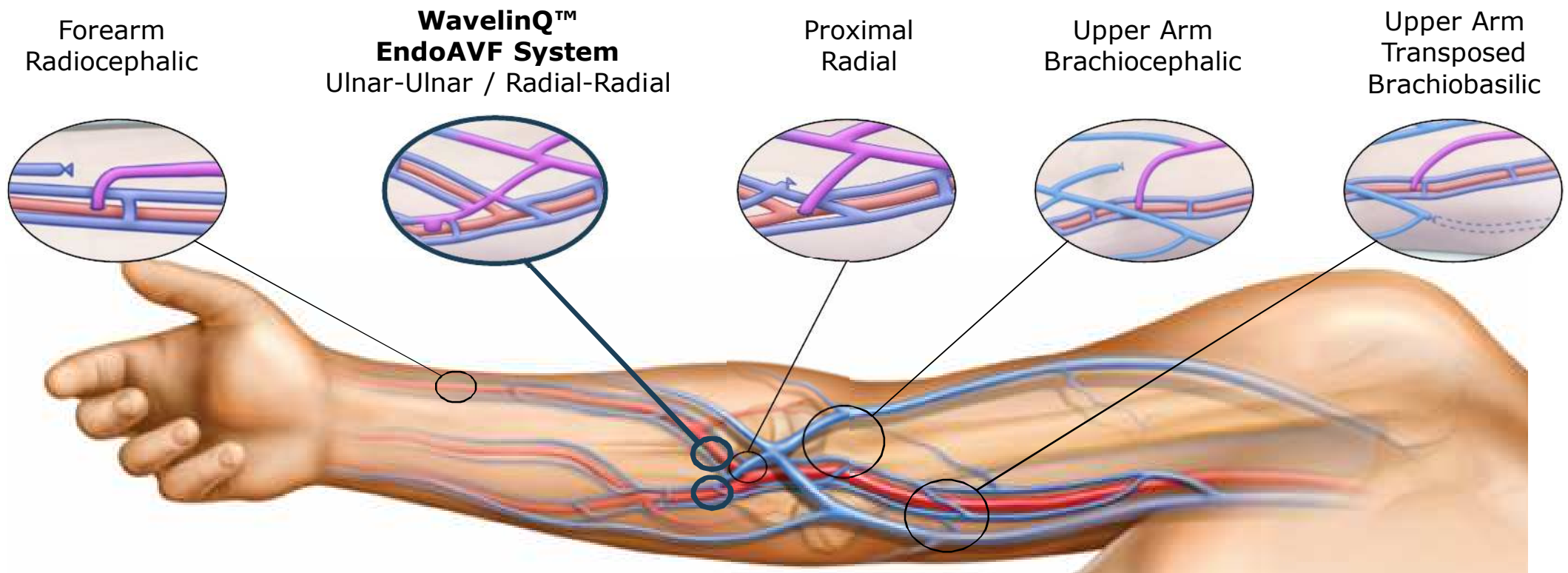
1396 patients

Perméabilités à 12 mois :
Primaire 60%
Primaire assistée 90%,
Secondaire 93%



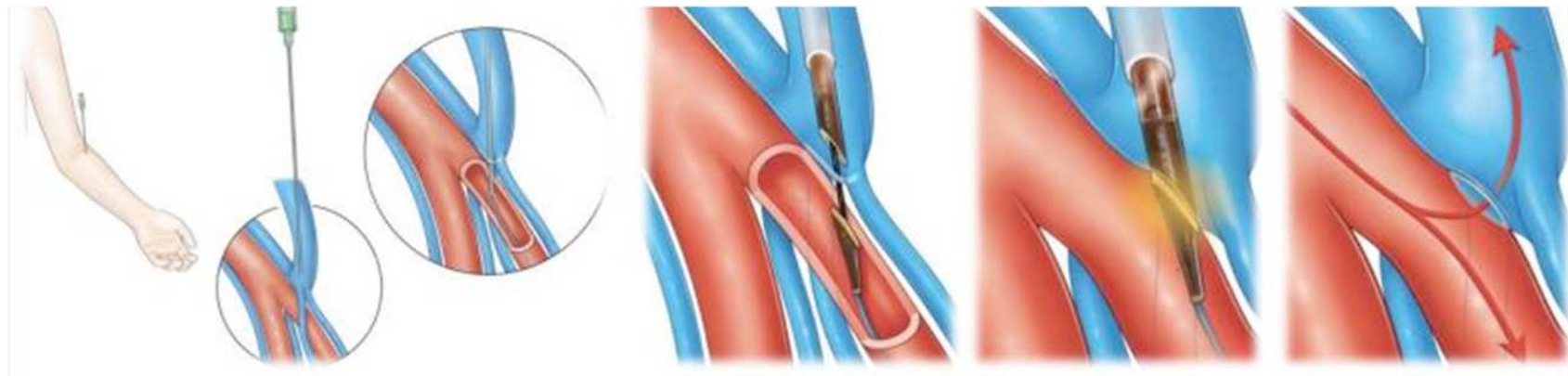
Aire des fistules percutanées : perforante indispensable

Wavelinq (BD)



Aire des fistules percutanées : perforante indispensable

Ellipsys (Medtronic)



Quel intérêt ?

Diminue le débit et le risque d'ischémie :

- La perforante arrive souvent sur l'origine de l'artère radiale
- Diffuse le flux sur le réseau superficiel



Diminue le risque de sténose de la crosse céphalique

Pourquoi on ne la voit pas plus souvent ?

ponctions en V (parfois)

Plus difficile à créer chirurgicalement

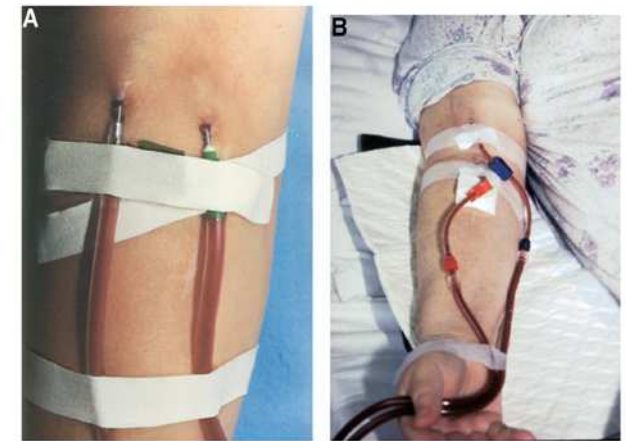
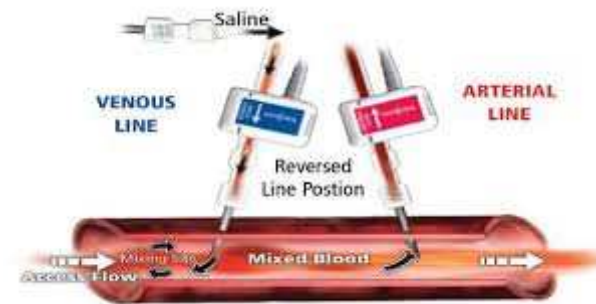


Figure 2. Cannulation site of the fistula with (A) the venous part not needing superficialization and (B) the venous part superficialized in a patient with a body mass index of 36 kg/m².

usage difficile du transonic



N'oubliez pas cette veine communicante
dans l'algorithme de création !

