

*Controverse : comment je traite une lésion de la
crosse de la veine céphalique :
je stente systématiquement. Quel type de stent?*

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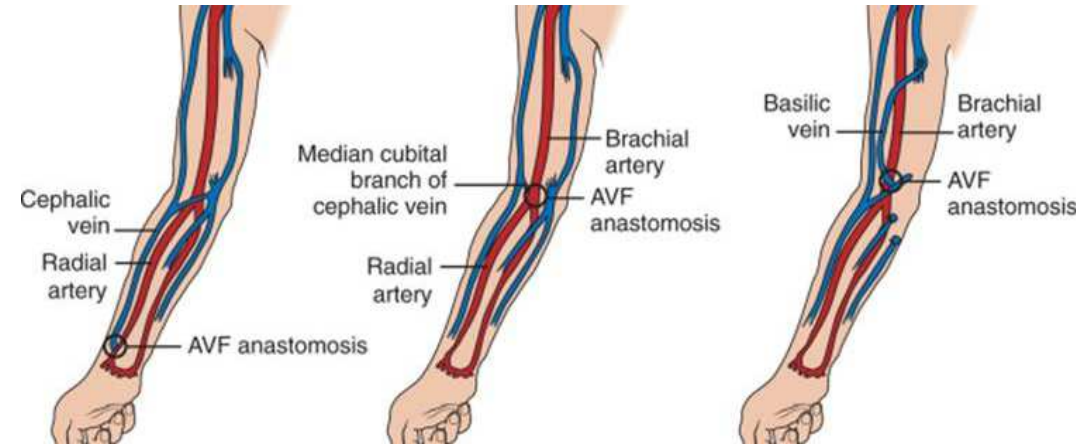
Introduction

- ***Fistule radiocéphalique / brachiocéphalique***

- Zone post-anastomotique
- Zone points de ponction / cannulation
- Zone à distalité (crosse de la veine céphalique)

- ***Pathophysiologie de la crosse céphalique de développement des sténoses.***

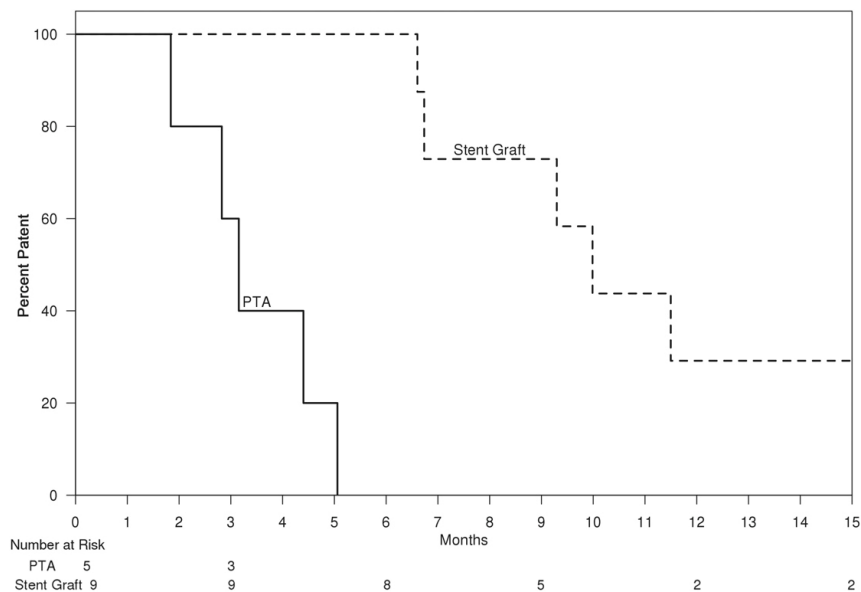
- Forces de compression externe (fascie deltopectoral & claviculopectoral)
- Variabilité anatomique d'insertion de la veine de la crosse / veine axillaire
- Pression veineuse (artérialisation) & turbulences



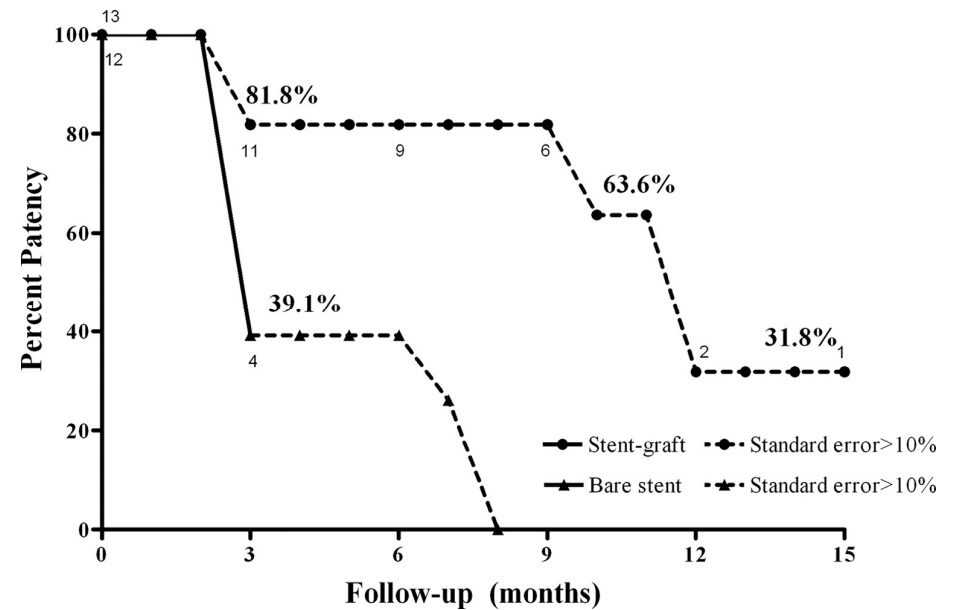
- Bennett et al. J. Vasc Access 2015
- Rajan et al. J Vasc Intervent Radiol 2003
- Remuzzi et al. Clin J Am Soc Nephrol 2013



Angioplastie / stent de la crosse céphalique?

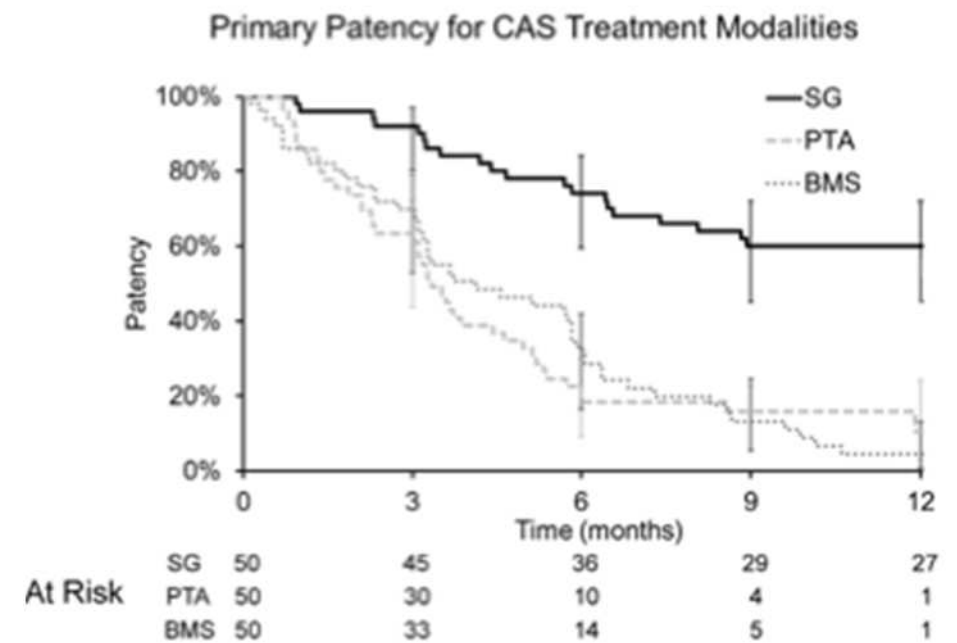
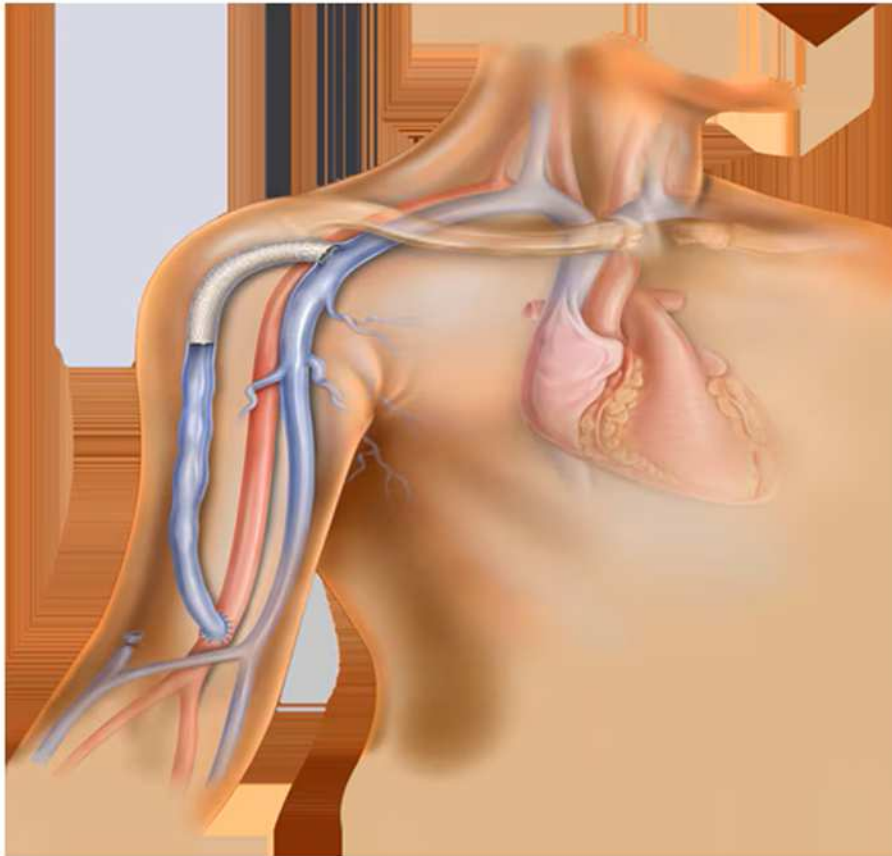


Rajan et al. J Vasc Intervent Radiol 2015 (Viabahn)



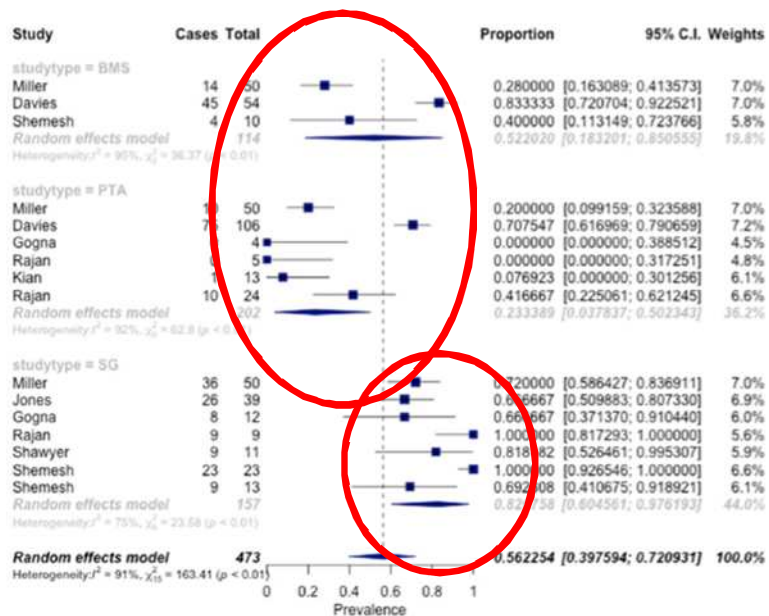
Shemesh et al. J Vasc Surg 2008 (Viabahn)

Angioplastie / stent (couvert) de la crosse céphalique?

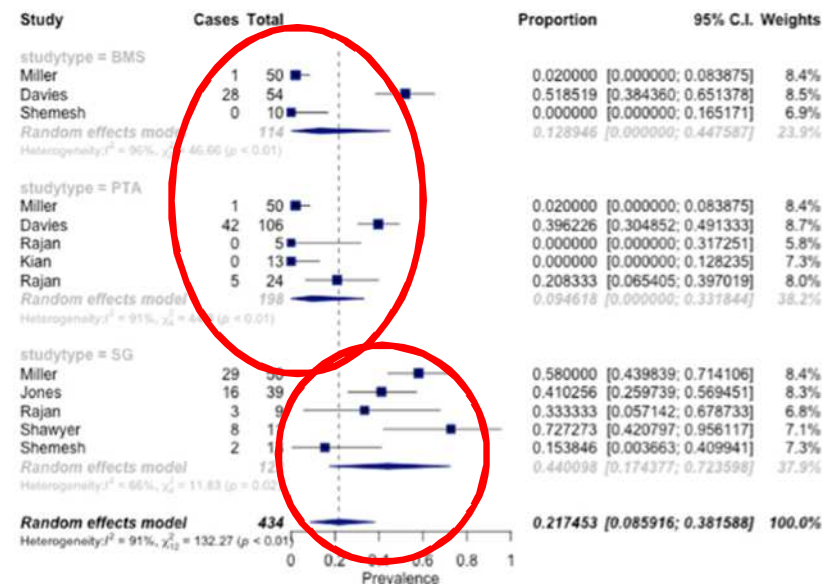


Miller et al. J Vasc Surg 2014 : Viabahn SG versus angioplastie / stent non-couvert

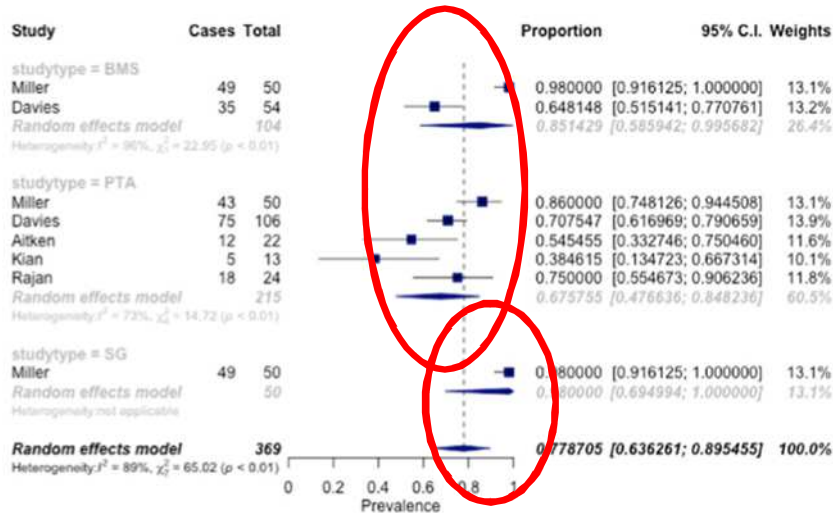
Perméabilité primaire à 6 mois



Perméabilité primaire à 12 mois



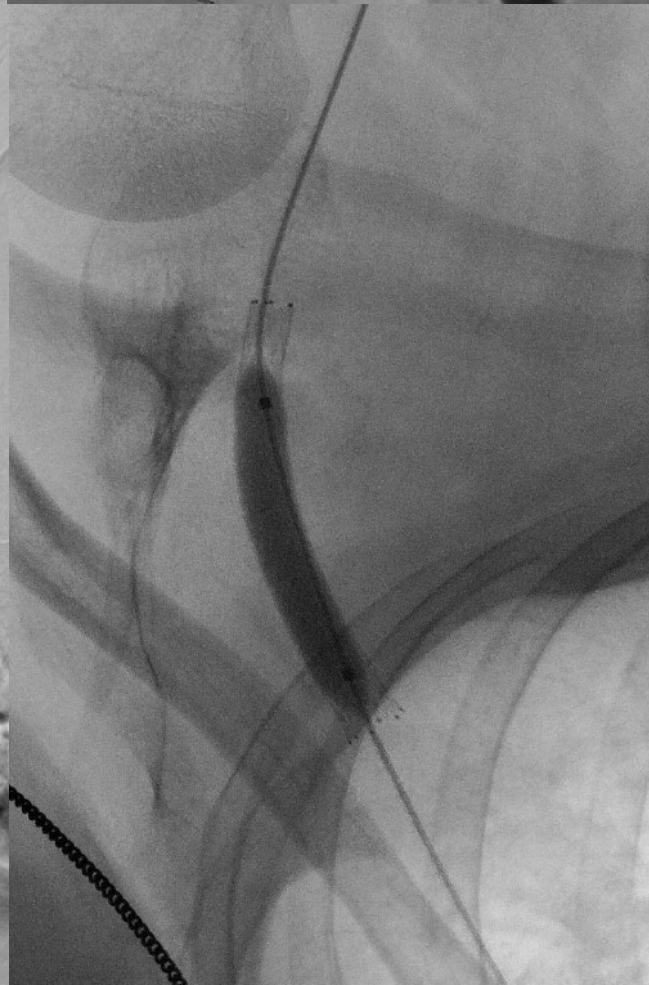
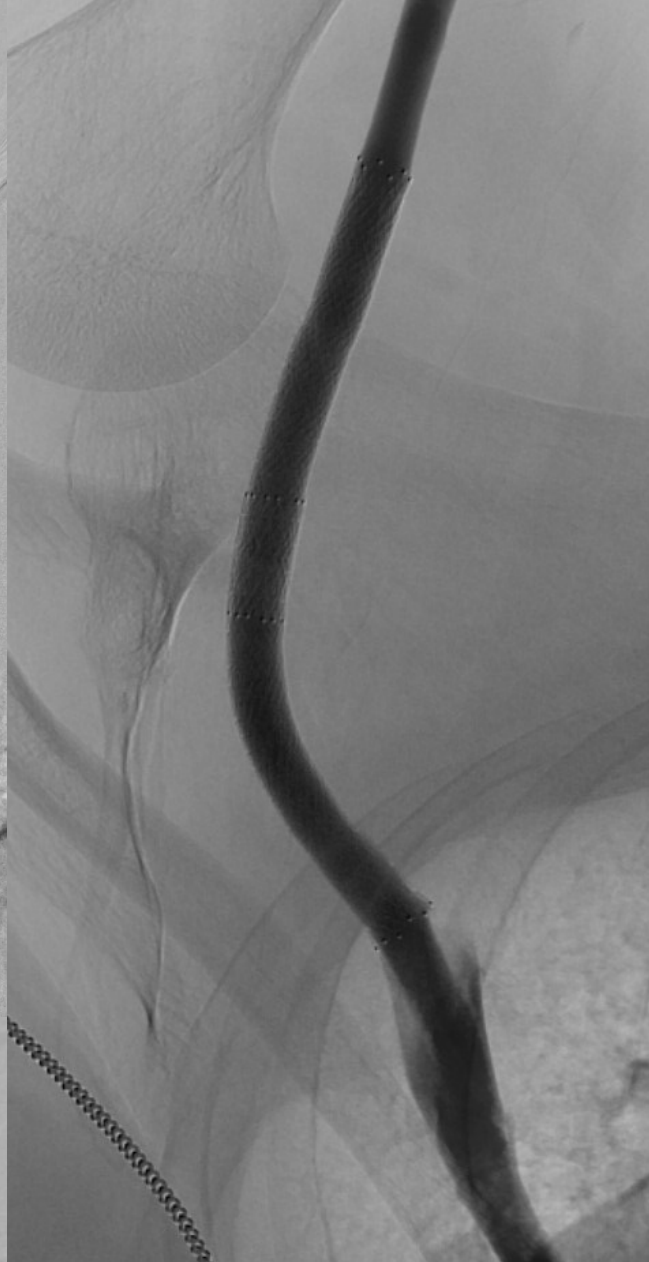
Perméabilité secondaire à 12 mois

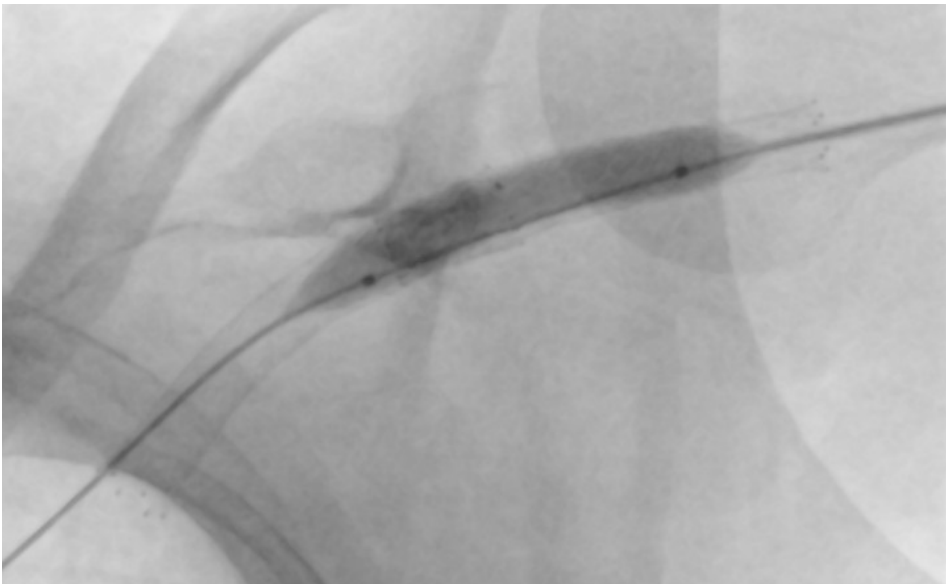


Endovascular treatment of cephalic arch stenosis in brachiocephalic arteriovenous fistulas: A systematic review and meta-analysis

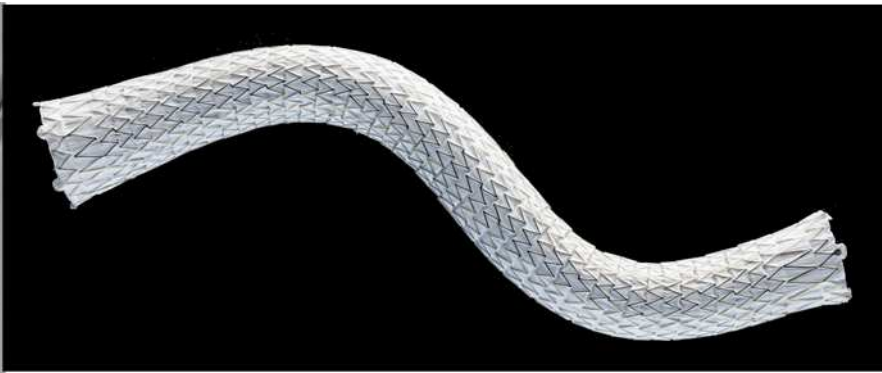
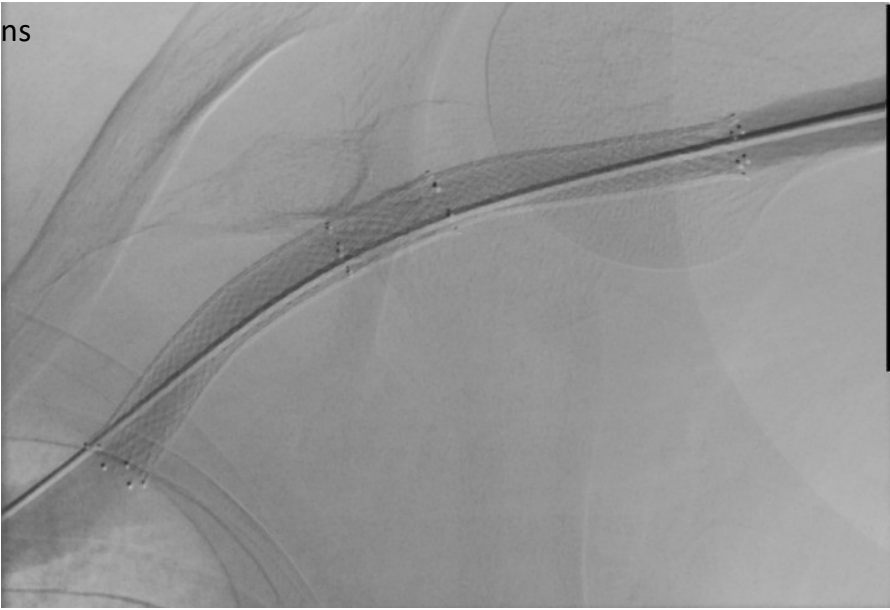
Reuban Toby D'cruz¹, Sze Wai Leong¹, Nicholas Syn², Alok Tiwari³, Vikram Vijayan Sannasi¹, Harvinder Raj Singh Sidhu¹ and Tjun Yip Tang⁴

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Dialyse satisfaisante pendant 4 ans
/ signes de récirculation



Étude randomisée multicentrique (Etats-Units /Europe/Asie)

www.kidney-international.org

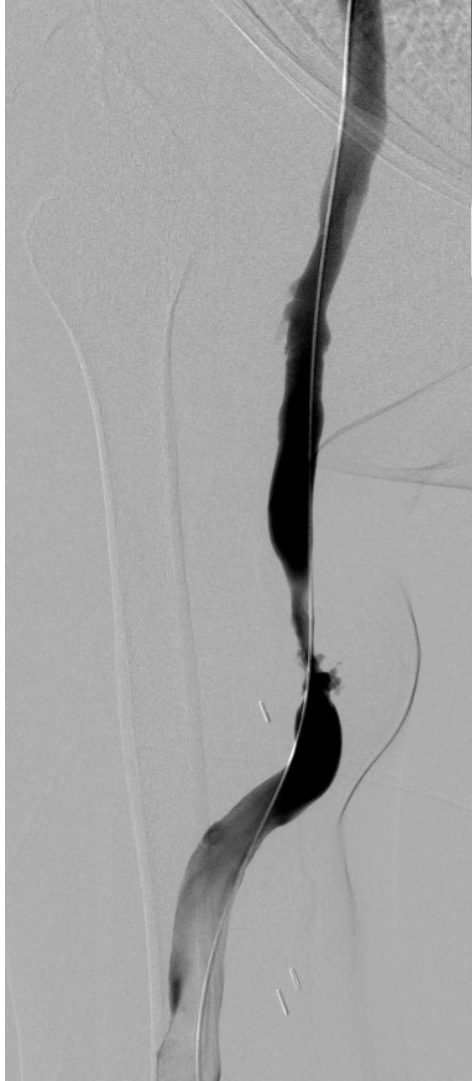
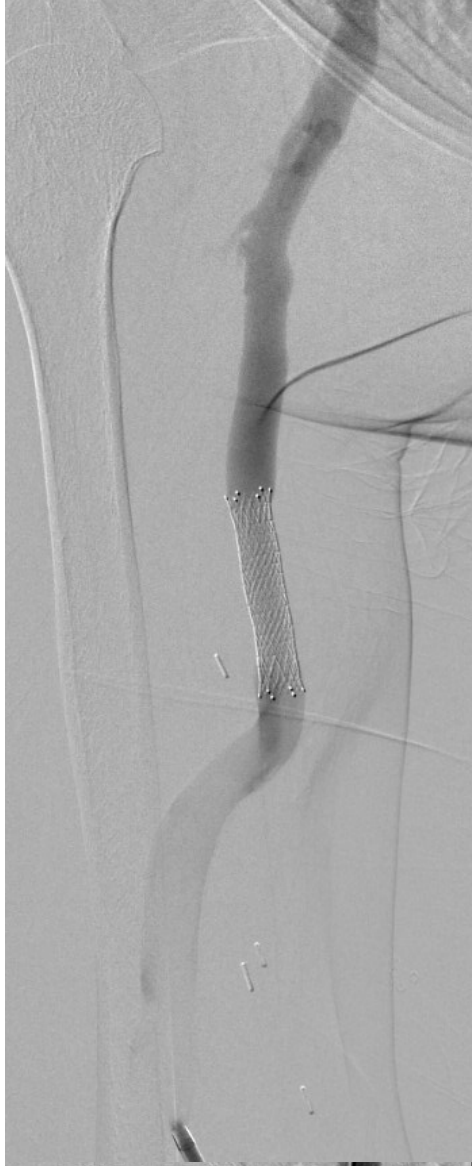
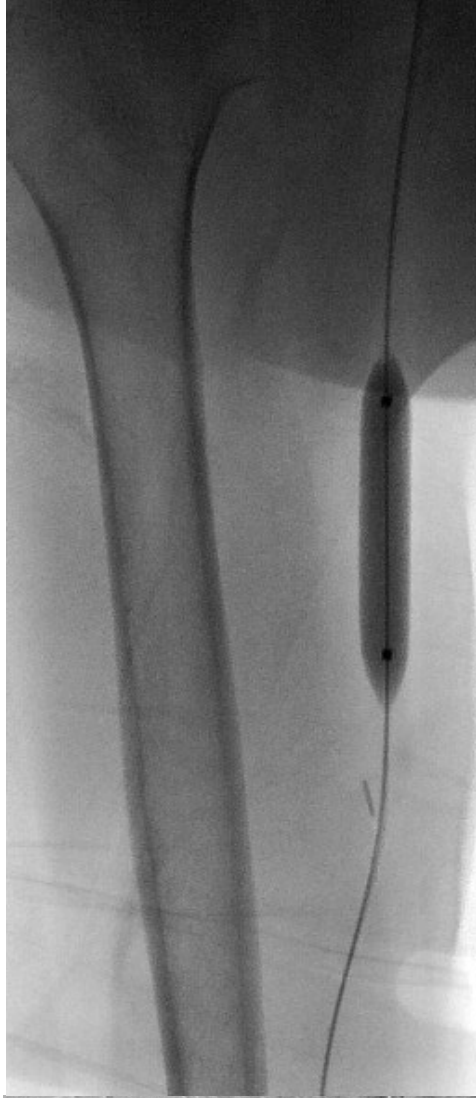
clinical trial

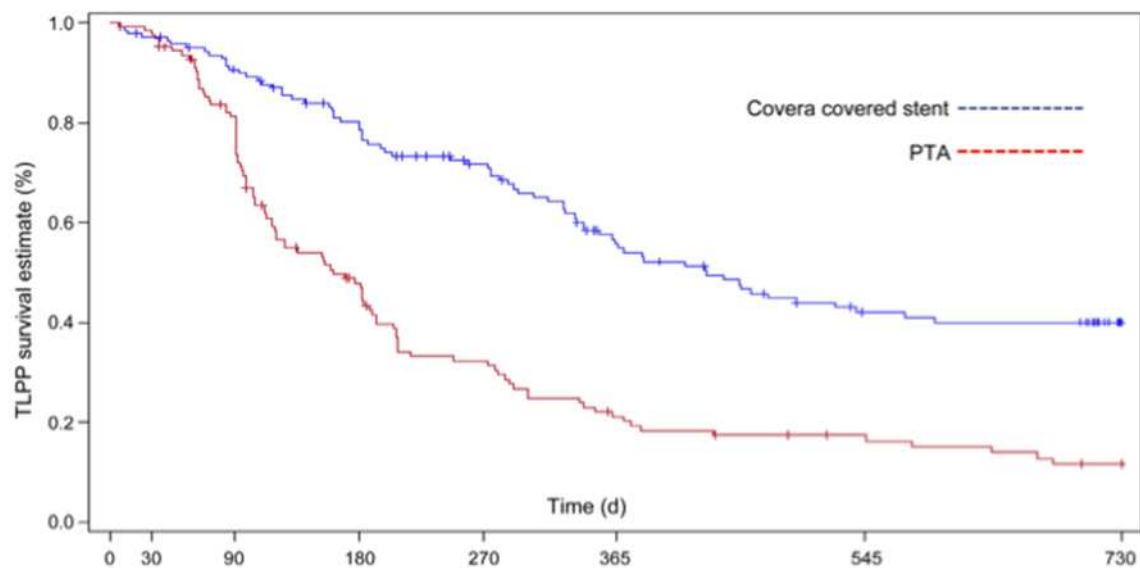
Prospective, randomized, multicenter clinical study comparing a self-expanding covered stent to percutaneous transluminal angioplasty for treatment of upper extremity hemodialysis arteriovenous fistula stenosis



OPEN

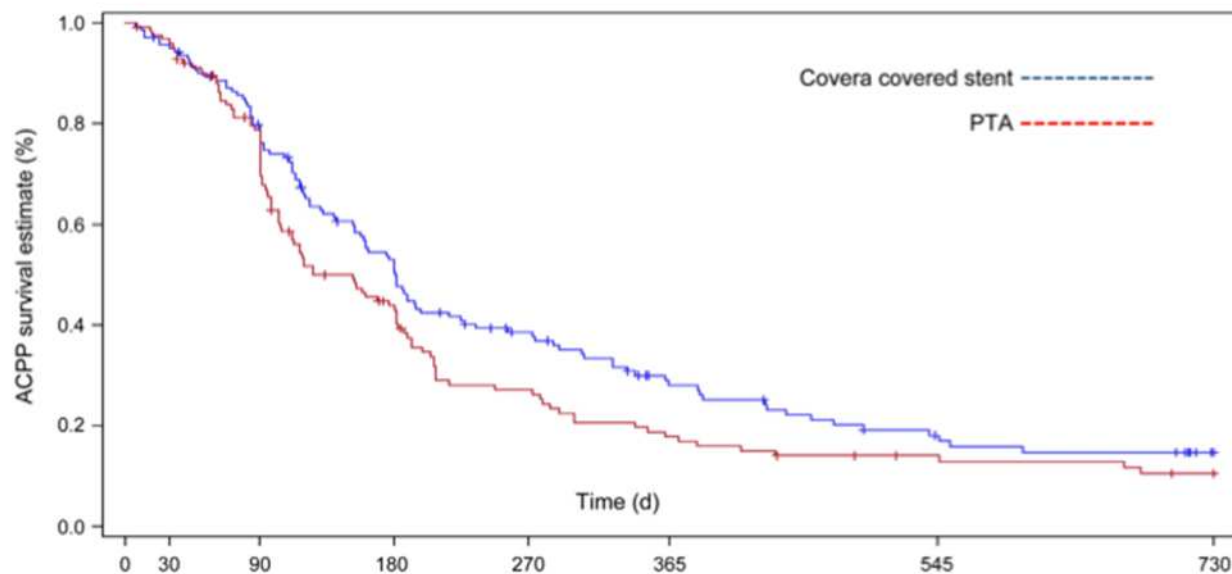
Bart Dolmatch^{1,2}, Timoteo Cabrera³, Pablo Pergola³, Saravanan Balamuthusamy^{4,5}, Angelo Makris⁶, Randy Cooper⁷, Erin Moore^{8,9}, Jonah Licht^{10,11}, Ewan Macaulay¹², Geert Maleux¹³, Thomas Pfammatter¹⁴, Richard Settlage¹⁵, Ecaterina Cristea¹⁶ and Alexandra Lansky¹⁶; and the AVeNEW Trial Investigators¹⁷





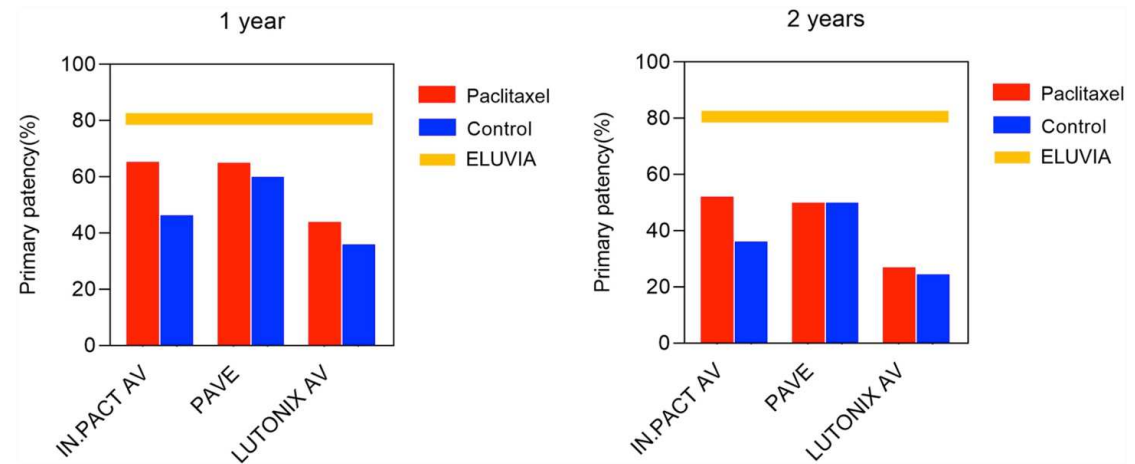
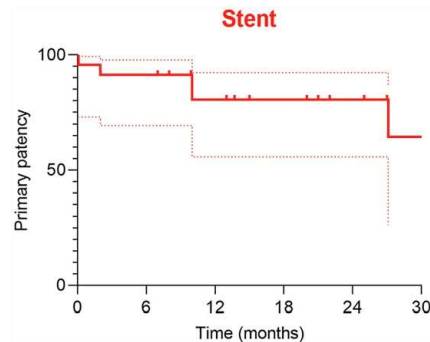
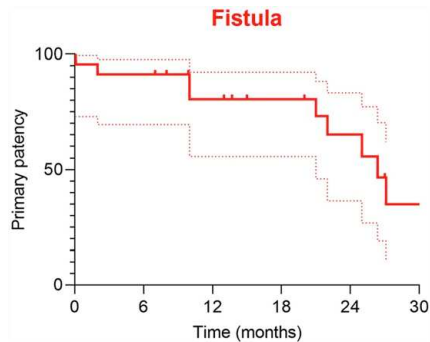
Perméabilité de la lésion traitée par stent couvert versus angioplastie

Perméabilité du circuit entier de dialyse



Autres nouveautés?

- Stents enrobés par paclitaxel ou autres?



Conclusions

- Sténoses veineuses à distalité des points de ponction / cannulation
 - Angioplastie = stent non-couvert
 - Stent (auto-expansible) couvert (e-PTFE) >> angioplastie +/- stent non-couvert
- Survie du circuit de dialyse
 - Stent couvert = PTA
- Stents enrobés pour sténose de fistule de dialyse : ??