

Apport de l'imagerie dans le bilan pré-TAVI

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CHU de Reims

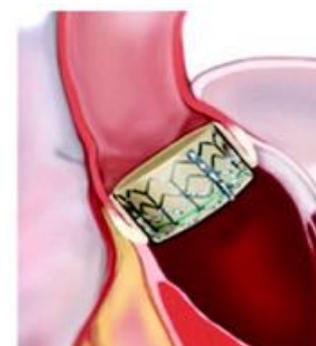
Le contexte :

- Patiente de 80 ans
- 157cm, 69kg
- dyspnée stade III NYHA sur RAC
- ETT :
 - FE 55%,
 - gradient moyen à 48 mmHg
 - une fuite aortique 1.5/4
 - une surface aortique à 0.81 cm² indexée à 0.48 cm²/m²
- ECG sinusal à 67bpm, un BAV1 à 240 ms, des QRS fins, un axe normal.
- FDR : âge ,dyslipidémie
- Antécédents : syndrome parkinsonien, FA emboligène, AVC 2018 (trouble de l'élocution séquellaire)



Le scanner: pierre angulaire du TAVI

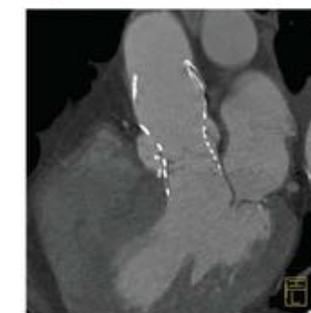
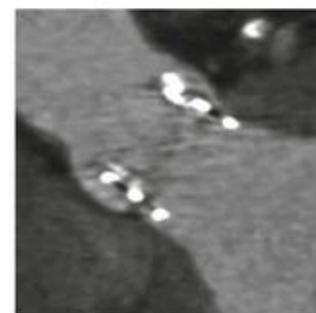
- Faisabilité de La procédure
- Analyse de la racine aortique
- Choix de la prothèse
- Choix de l'abord
- Choix de l'incidence de pose
- Anticipation des difficultés



Edwards SAPIEN

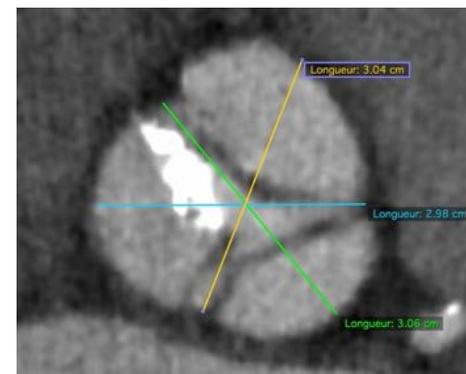


Medtronic CoreValve

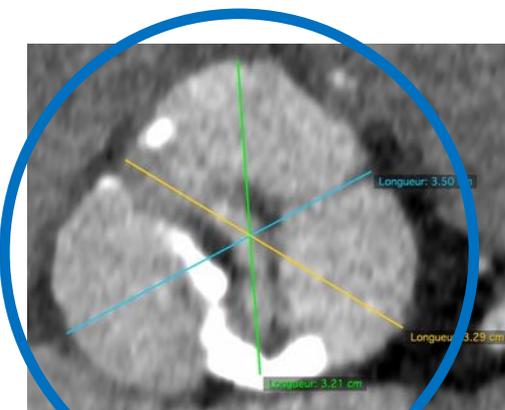


Sizing de l'anneau

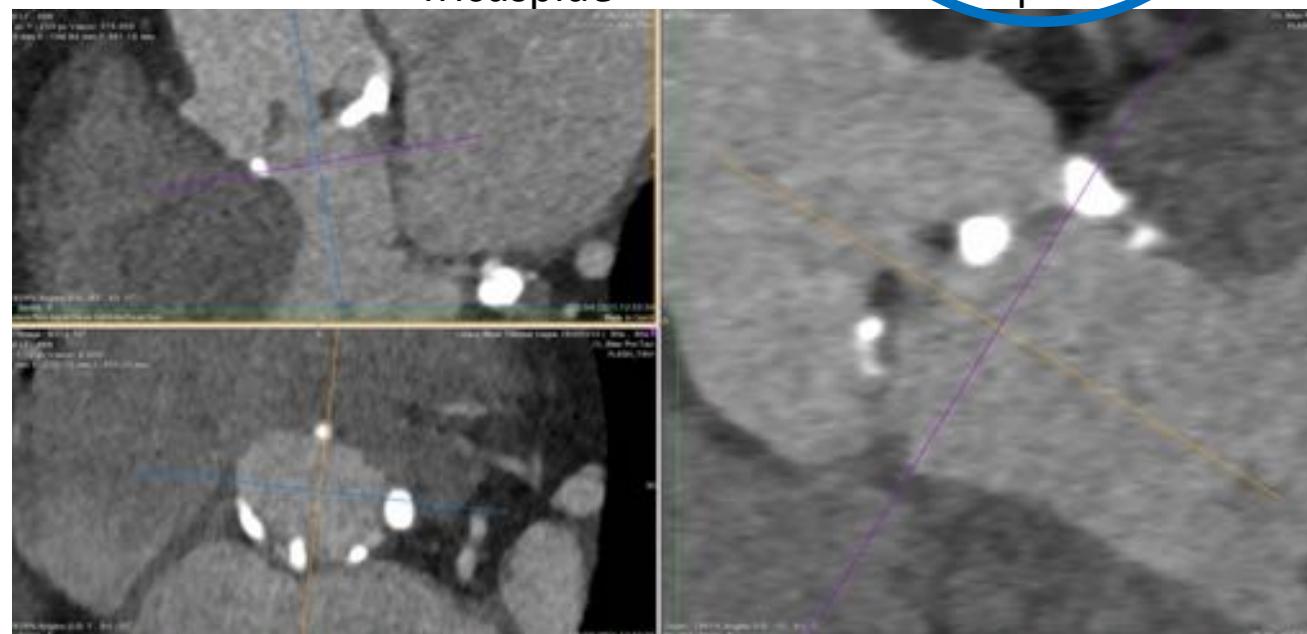
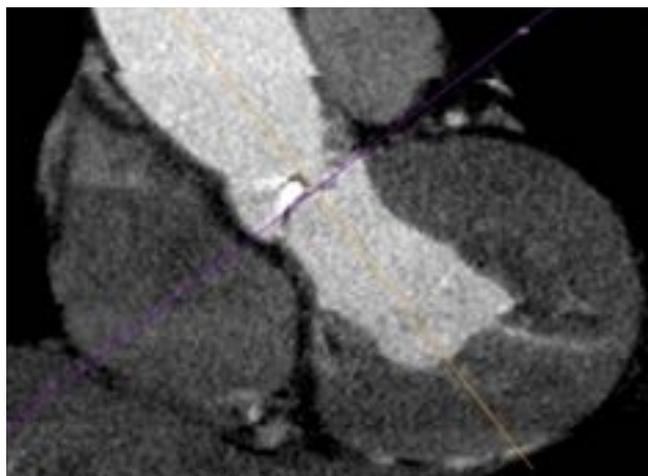
- Anatomie de la valve et des cavités
 - Tri/bicuspidie/raphé
 - Bourrelet sous aortique
 - Volume VG
 - Localisation des calcifications



Tricuspide

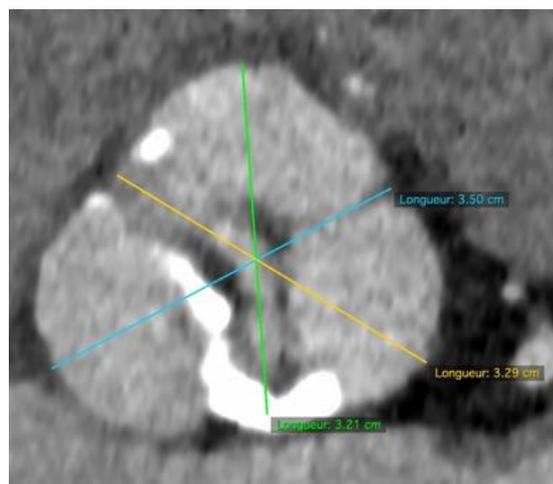


Raphé?



Sizing

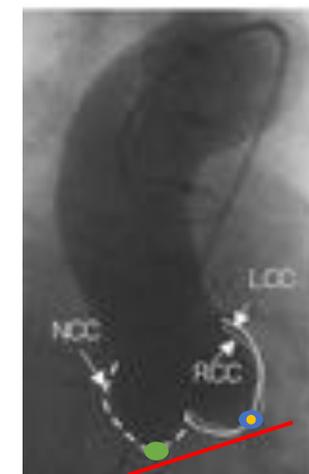
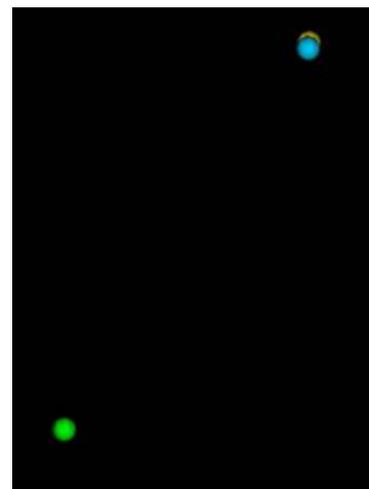
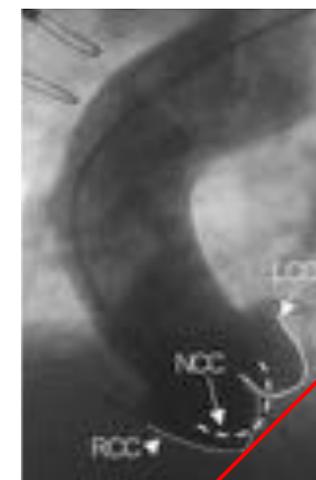
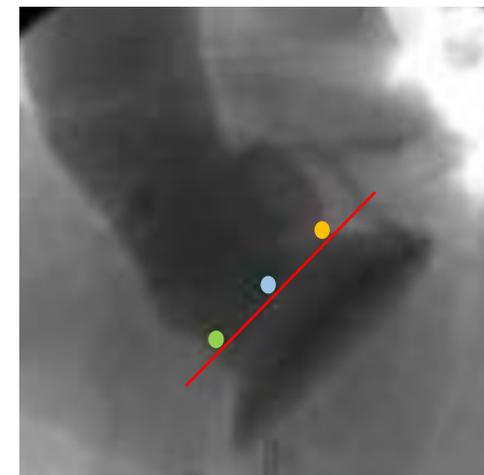
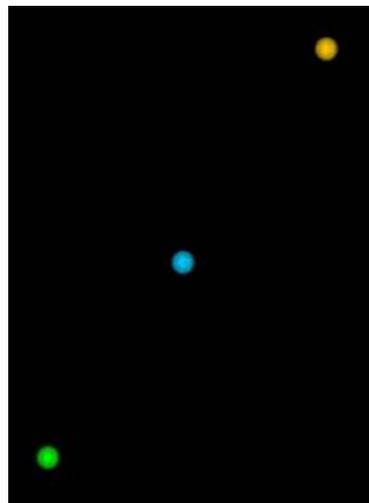
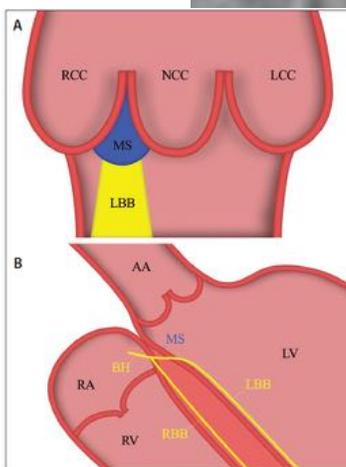
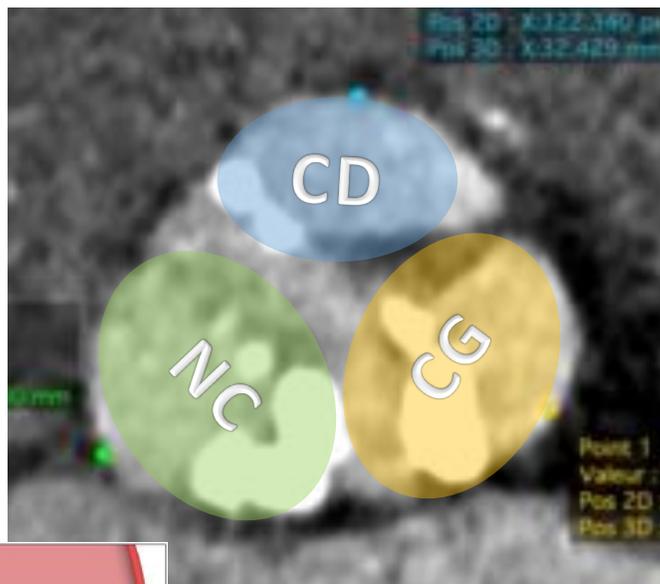
- Hauteur coronaire
- Largeur du sinus
- Septum membraneux



Largeur moy .sinus : 3,33 cm



L'incidence de pose



Cusp Overlap Technique

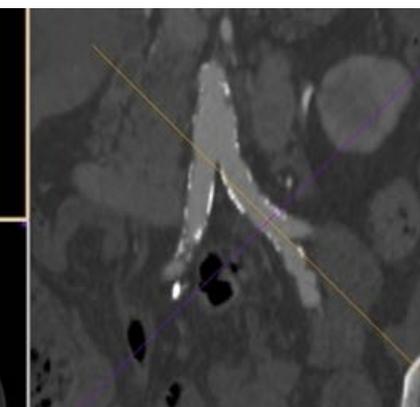
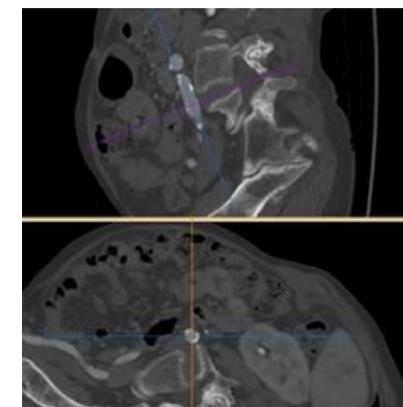
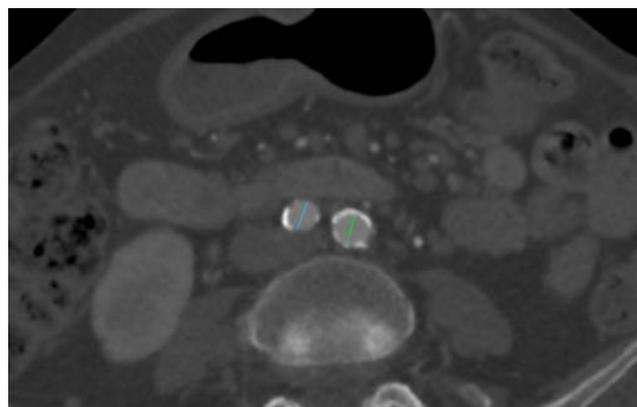
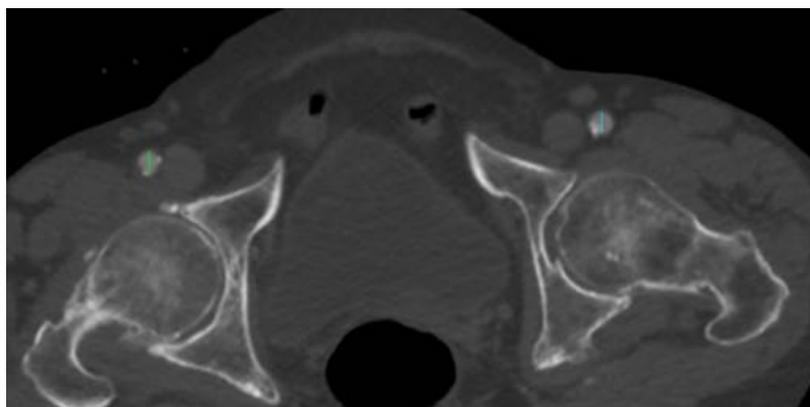


Cusp Overlap Technique in TAVR

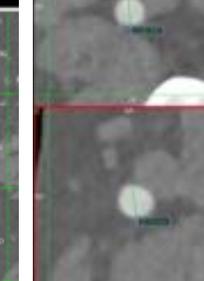
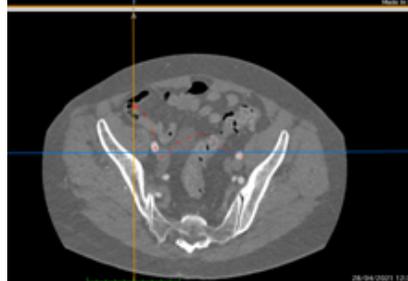
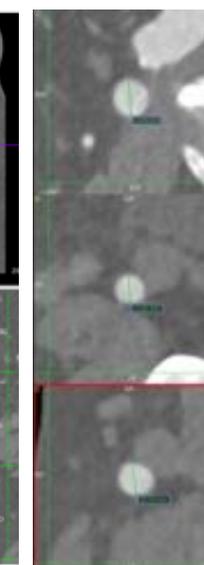
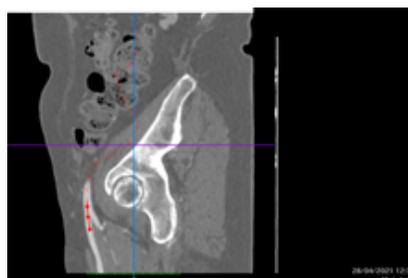
TAVR implantation optimization—CT analysis and practical aspects of the cusp overlap technique.

By [Xavier Armario, MD](#); [Liesbeth Rosseel, MD](#); and [Darren Mylotte, MB BCh, MD, PhD](#)

Et la voie d'abord ?



- *> 90% percutané fémoral*
- Diamètre du plus petit vaisseaux (min 6mm)
- Localisation des calcifications
- Sinusités
- Anomalie de l'aorte



En conclusion

- Voie fémorale droite
- Sapien 3 23 mm + 1cc / EvolutR 29 mm en cus overlap
- Prédilatation au ballon de 20/23 mm
- Stimulation via SEC ???





Remerciements

A l'équipe organisatrice de cette journée

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Pr Damien METZ, Dr Sophie TASSAN MANGINA, Dr Virginie HEROGUELLE, Dr Laurent FAROUX*

A toute l'équipe paramédicale de salle de coro'

Biblio'
« Comment je fais un scanner Pré TAVI ? » Int.A.Belassein- Dr R.Level CHU Besancon

Icono'
Dossiers CHU Reims