



INSTITUT  
CARDIOVASCULAIRE  
PARIS  
SUD

# Corevalve Evolut R

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# Ms LS.O

91 y old lady

Lives alone, fully independent

NYHA IV

Left carotid occlusion

156 cm / 50 Kgs / BMI 20

Creatinine clearance 53 ml/min

AVA 0.45 cm<sup>2</sup>

Mean gradient 80 mmHg

sPAP 50 mmHg

Mild MR

Prior PCI on proximal LAD

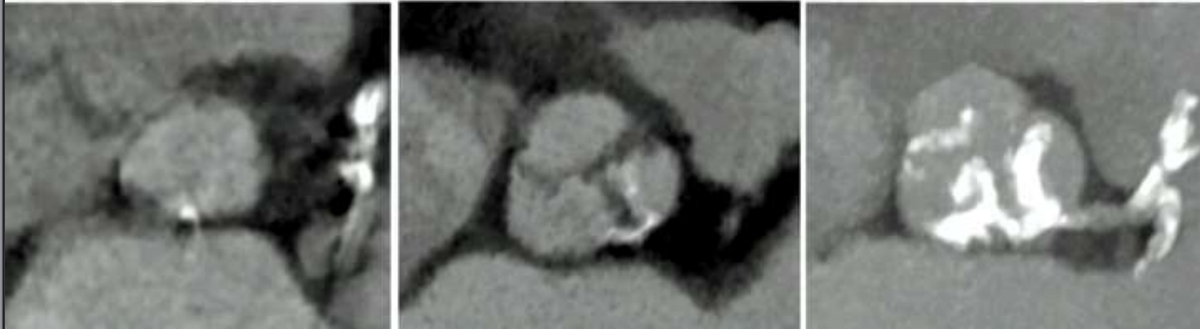
Log Euroscore 42%

STS 10.4%

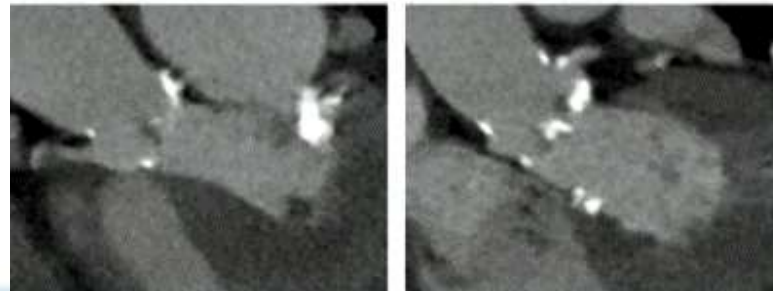
## CT Data

Short diameter of annulus 18.7mm  
Long diameter of annulus 24.2mm  
Mean diameter of annulus 21.4mm  
(surface of annulus 359 mm<sup>2</sup>)  
Calcification volume 583mm<sup>3</sup>

Corevalve Evolut R 26 mm



Valsalva 34mm  
ST junction 31mm  
Ascending Ao 33mm  
Descending Ao 24mm



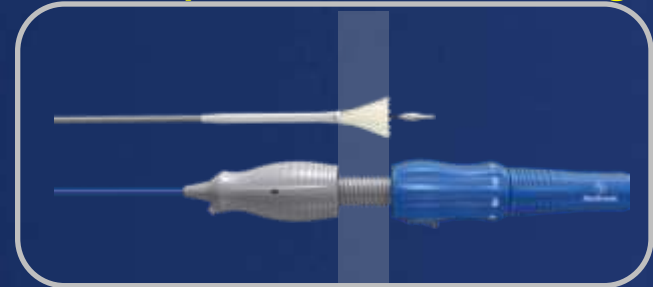
Distance between annulus to  
LCA 9mm  
Distance between annulus to  
RCA 14mm

# CoreValve Evolut R System

14Fr-equivalent System with InLine Sheath  
Across All Valve Sizes

CoreValve <sup>®</sup>	Evolut <sup>™</sup> R
with 18Fr Cook Sheath	with 14Fr-Equivalent InLine <sup>™</sup> Sheath
<b>18Fr</b>	<b>18Fr</b>
22 Fr (OD)	True 18Fr (OD)

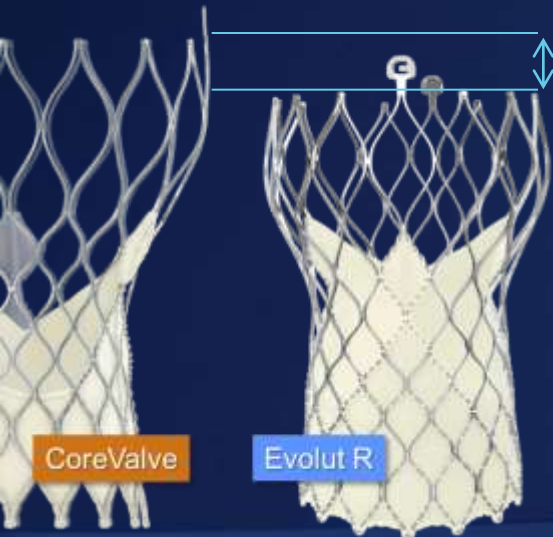
Designed for 1st Time Positioning Accuracy  
with 1:1 Response and Self-centering



18Fr OD (14FR equivalent)



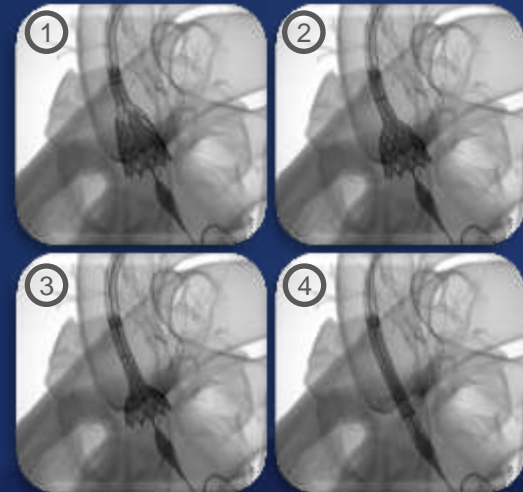
Reduced Significant PVL



- Outflow shortened and redesigned
- Consistent radial force
- Extended skirt\*

\* On 26 & 29mm valve sizes

Option to Recapture and Reposition



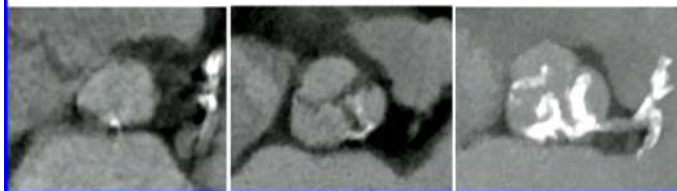




## TAVI Mrs L.S.O. 91 years old

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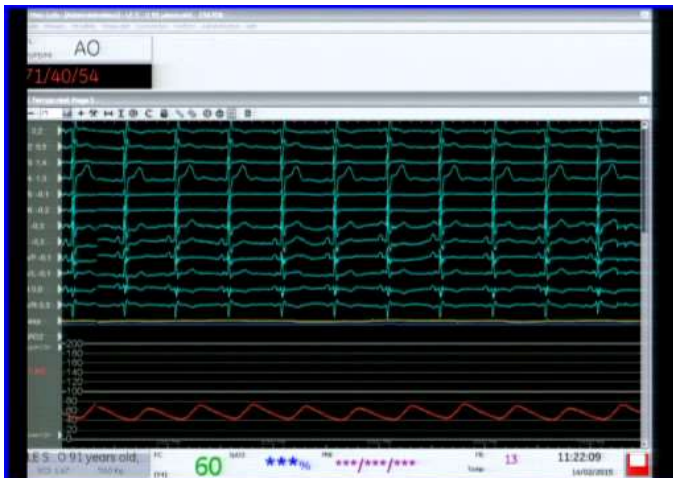
S MASSY  
Fév-2015  
1 years old  
Dr CHEVALIE

vue  
Séq 1  
4 / 100

87 BPM  
20 cm  
92 cm  
↓13 cm  
3 deg  
4 deg  
0 deg



FOV 20 cm  
RAO 3 deg  
CRA 4 deg  
L 0 deg



S MASSY  
Fév-2015  
1 years old  
Dr CHEVALIE

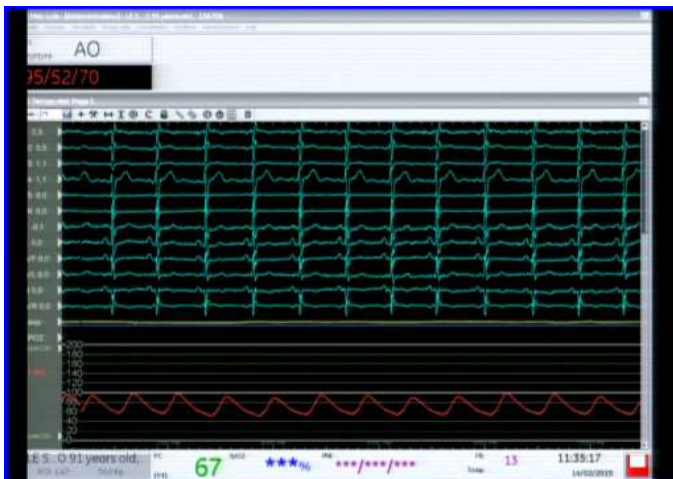
vue

Séq 2  
8 / 12

59 BPM  
20 cm  
96 cm  
↓13 cm  
3 deg  
4 deg  
0 deg

Fluoroscopic image showing a catheter in the heart, with a black outline tracing its path. The catheter is positioned in the right ventricle. The image shows the heart's silhouette and the catheter's trajectory.

FOV 20 cm  
LAO 3 deg  
CRA 4 deg  
L 0 deg



S MASSY  
Fév-2015  
1 years old  
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vue

H

72 BPM  
20 cm  
100 cm  
↓ 13 cm  
2 deg  
7 deg  
0 deg

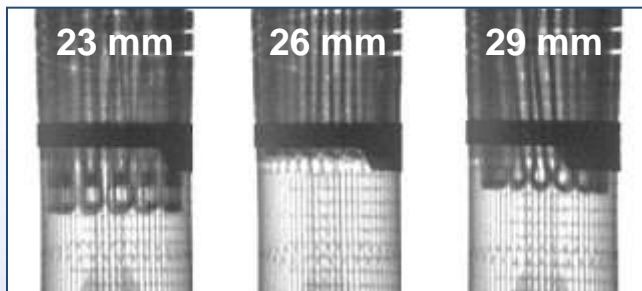
A fluoroscopic image showing a catheter inserted into a vessel. The catheter is positioned in the vessel, and the vessel lumen is visible. The image is used to guide the placement of the catheter during the procedure.



# Evolut R Target Implant Depth

Target implant depth is **3 - 5 mm**

- Midway between node 0 (inflow edge of frame) and node 1 to just below node 1
- Note: due to minor valve frame length differences, ensure to assess valve position from frame inflow (node 0) and not the edge of the marker band:



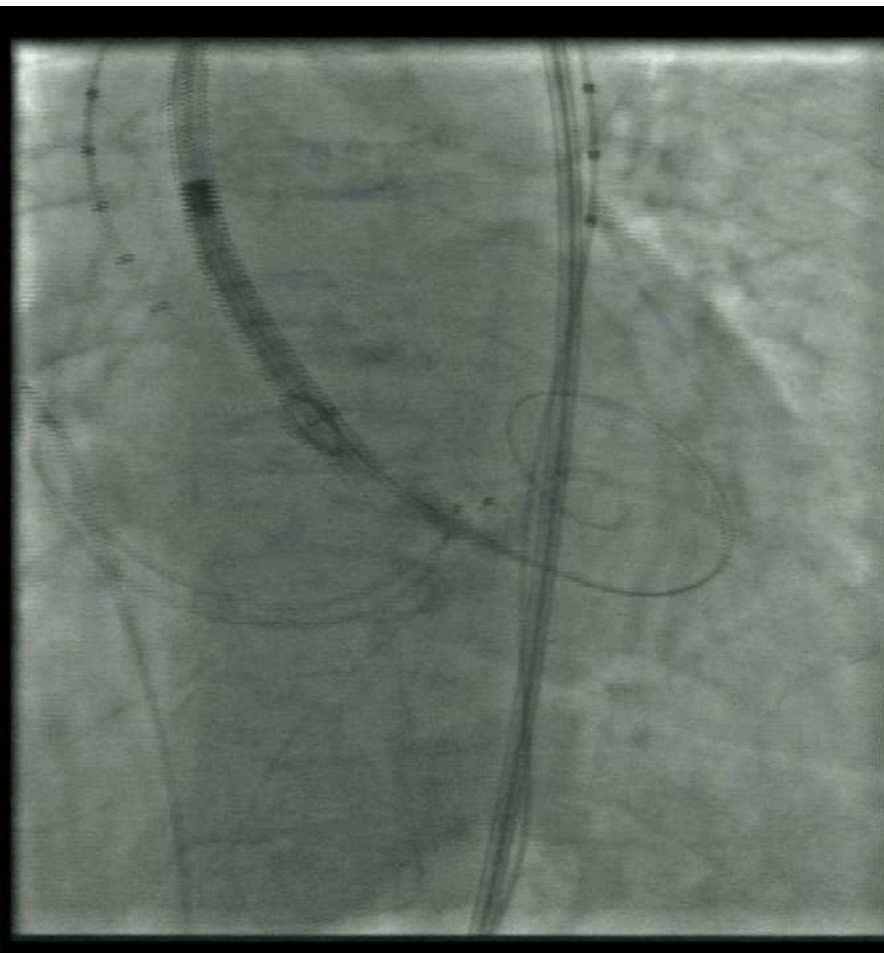
3-5 mm

Node 1  
↑  
6 mm  
↓  
Node 0





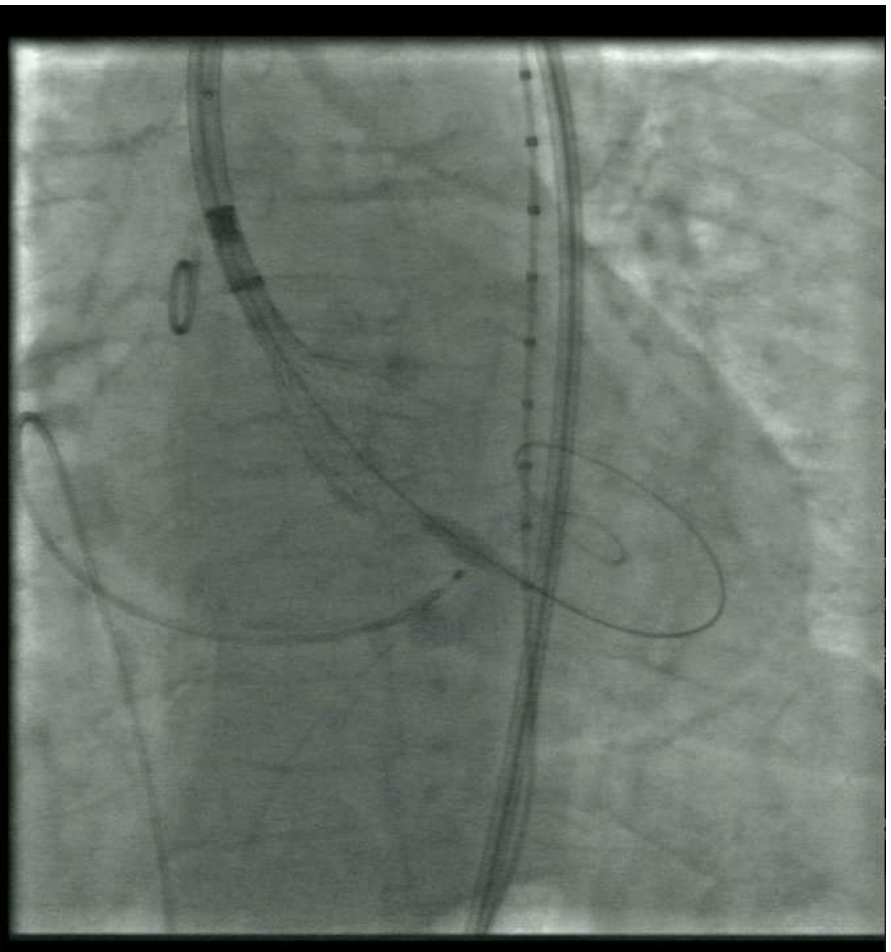
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1 Gy  
8.4  
64 BPM  
20 cm  
97 cm  
↓13 cm  
19 deg  
15 deg  
0 deg



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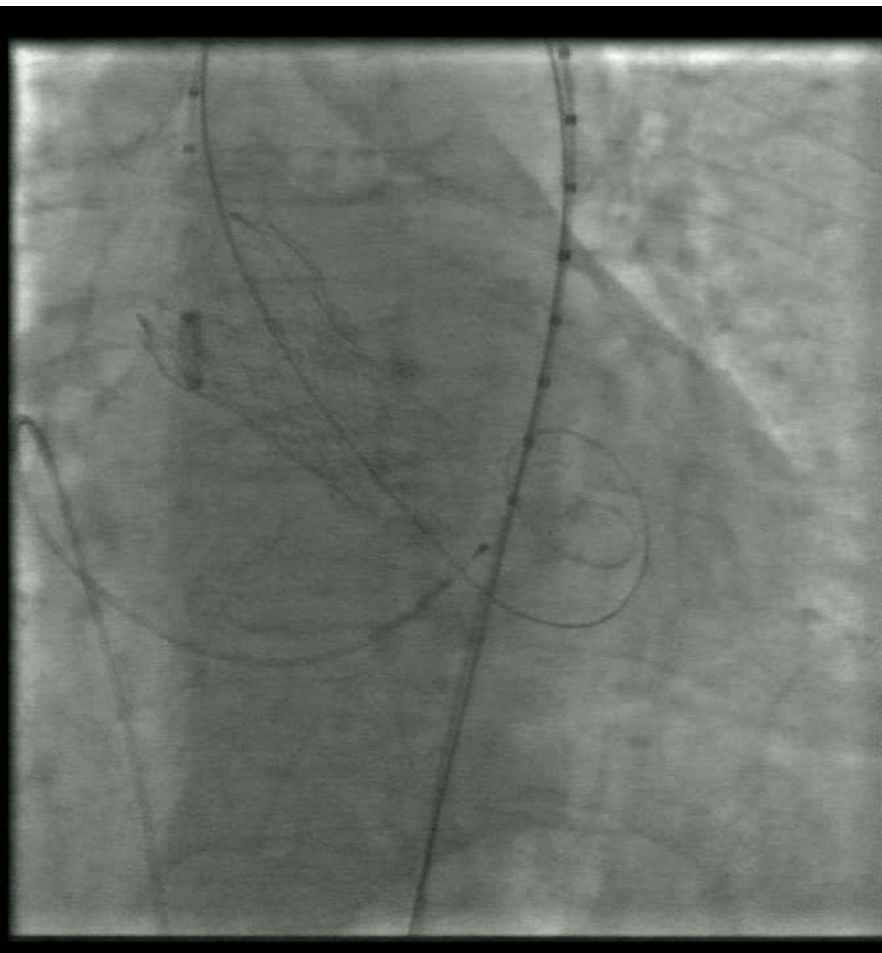
1 Gy  
8.4  
61 BPM  
20 cm  
97 cm  
↓13 cm  
19 deg  
15 deg  
0 deg





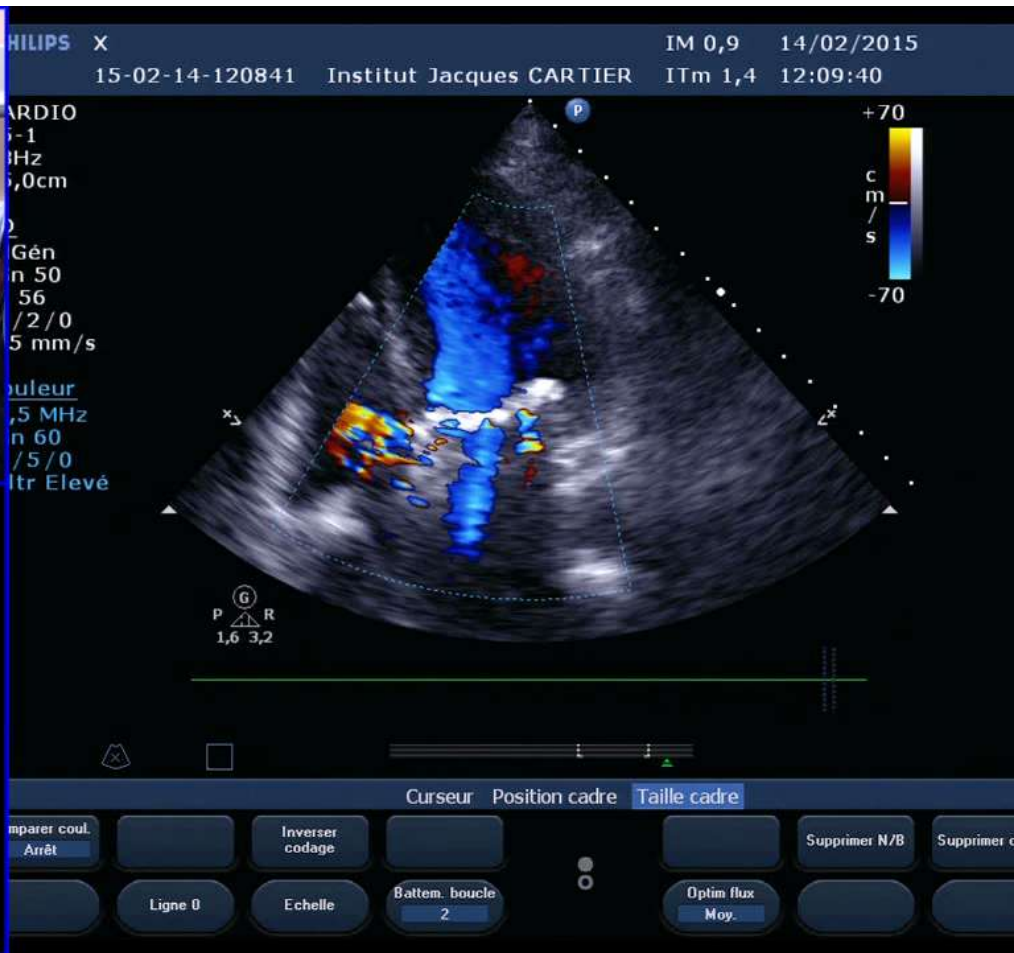


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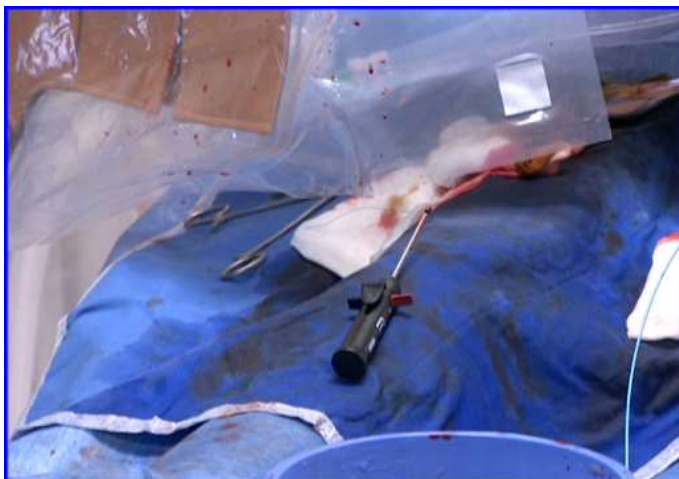


te 1 Gy  
n 7.7  
84BPM  
20 cm  
97 cm  
↓13 cm  
19 deg  
15 deg  
0 deg









S MASSY  
Fév-2015  
1 years old  
Dr CHEVALIE



91 BPM

20 cm

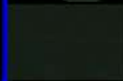
97 cm

↓13 cm

3 deg

1 deg

0 deg



Equivalent to 14F  
Easier navigation  
Stable during deployment  
Self-centering  
Recapture/Reposition