

Gelweave™ Lupiae

Body		Branches		Catalogue No.
Bore Size (mm)	Length (cm)	Bore Size (mm)	Length (cm)	
20	40	10/10/8/10	40/30/30/30	734020CX4RMS
22	40	10/10/8/10	40/30/30/30	734022CX4RMS
24	40	10/10/8/10	40/30/30/30	734024CX4RMS
26	40	10/10/8/10	40/30/30/30	734026CX4RMS
28	40	10/10/8/10	40/30/30/30	734028CX4RMS
30	40	10/10/8/10	40/30/30/30	734030CX4RMS
32	40	10/10/8/10	40/30/30/30	734032CX4RMS
34	40	10/10/8/10	40/30/30/30	734034CX4RMS

References:

1. Esposito G. Use of a New Multibranching Dacron Prosthesis (Lupiae) in the Surgical First Stage. Presented at The Italian Society for Cardiac Surgery, 8-11 Nov 2008, Rome, Italy.
2. Marullo AGM et al. Hybrid Aortic Arch Debranching with Staged Endovascular Completion in DeBakey Type I Aortic Dissection. Ann Thorac Surg 2010, 90:1847-53.
3. Esposito G et al. Mid-term Results of the Lupiae Technique in Patients with DeBakey Type I Acute Aortic Dissection. Eur J Cardio-Thoracic Surgery 2012, 1-7.
4. Esposito G et al. Hybrid Repair of Thoracic and Thoracoabdominal Aortic Aneurysms (Mega Aortic Syndrome) with Lupiae Technique. Innovations, Vol 6, No.6, Nov/Dec 2011.
5. Esposito G et al. Hybrid Repair of Type A Acute Aortic Dissections with the Lupiae Technique: Ten-year results. J Thoracic and Cardiovasc Surg 2015, Vol 149, No. 25.
6. Data on file at Vascutek Ltd.
7. Ehrlich et al. Operative Management of Aortic Arch Aneurysms using Profound Hypothermia and Circulatory Arrest. Int Congress Thoracic Thoracoabdominal Aortic Aneurysm 12-14 June 1994:23-26.

Product designed in association with Dr Giampiero Esposito, Chief of the Cardiovascular Surgery Dept, Humanitas Gavazzeni - Bergamo - Italy



The ideal *debranching graft approach*<sup>1</sup> that creates a long, stable and durable landing zone<sup>2,3</sup>

“A radiopaque marker immediately after the origin of the “bovine-like-trunk” enables correct deployment of the endovascular stent graft during the second stage.”<sup>3</sup>

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Gelweave™ Lupiae

The ideal *debranching graft approach*<sup>1</sup> that creates a long, stable and durable landing zone<sup>2,3</sup>



Introduction of a thoracic stent delivery system as part of a 2nd stage repair. Please note: this system is not supplied with the Gelweave™ Lupiae graft.



**Debranching graft design**  
- facilitates creation of suitable landing zone<sup>2,3</sup>



**Radiopaque markers**  
facilitate 2nd stage endovascular repair<sup>3</sup>



**Gelweave™** technology with excellent handling<sup>6</sup>

Product and indication subject to local regulatory approval.



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**Debranching graft design** - facilitates the creation of a suitable landing zone<sup>2,3</sup>



**Radiopaque markers** facilitate 2nd stage endovascular repair<sup>3</sup>



**Gelweave™** technology with excellent handling<sup>6</sup>

①

The product branch design<sup>2,3</sup> and Gelweave™ Lupiae technique creates a long, stable and durable landing in zone zero<sup>3</sup> minimising the risk of Type I endoleak<sup>2</sup>

②

A radiopaque marker immediately after the origin of the "bovine-like-trunk" enables correct deployment of the endovascular stent graft during the second stage<sup>3</sup>

③

The product design enables the treatment of Type I aortic dissection<sup>3</sup>, supra-renal<sup>1</sup>, thoracoabdominal and aortic arch aneurysm<sup>4</sup>

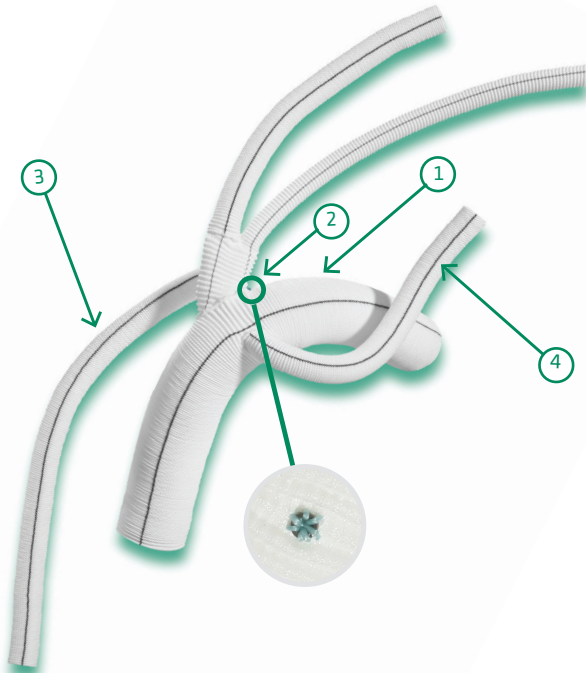
④

Enables antegrade perfusion<sup>5</sup>, reduced cardiopulmonary bypass and circulatory arrest times<sup>2</sup> and arch vessel reconstruction<sup>5</sup>

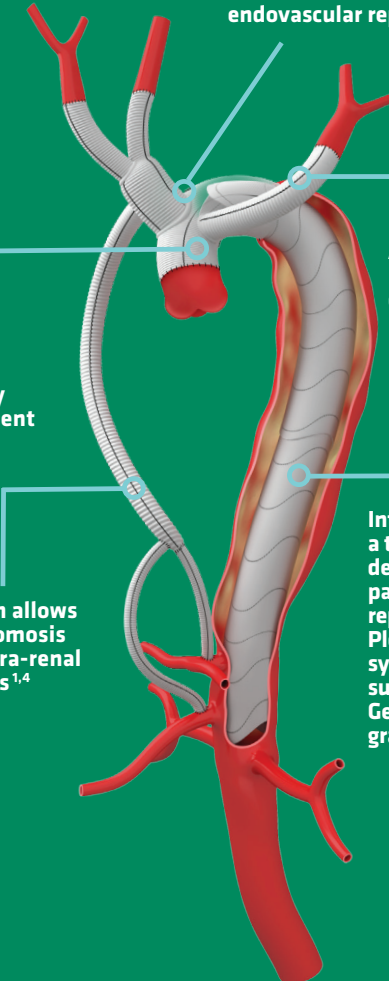


## “Hybrid aortic repair is emerging as an easier and safer procedure for thoracic and thoracoabdominal aortic aneurysms”<sup>4</sup>

*The bovine trunk [Gelweave™ Lupiae] orientated vertically between the superior vena cava, reduced the space occupied by 3 single branches on the main graft, increasing the space available for a landing zone.<sup>5</sup>*



**Radiopaque markers** facilitate 2nd stage endovascular repair<sup>3</sup>



**Ante-Flo side branch** enables earlier patient re-warming<sup>7</sup>

**Gelweave™** technology with excellent handling<sup>6</sup>

**Branch** allows anastomosis of supra-renal vessels<sup>1,4</sup>

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