

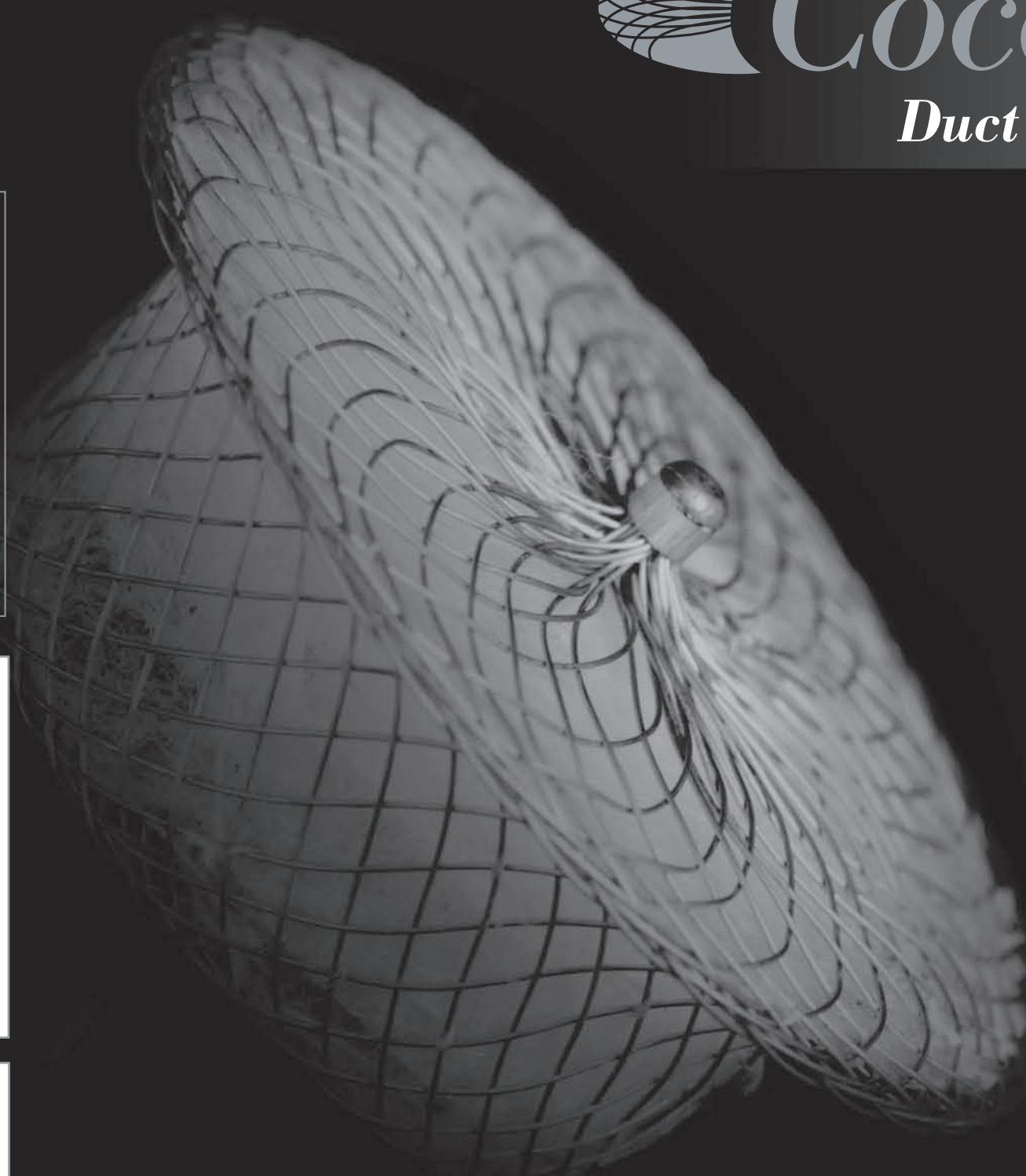
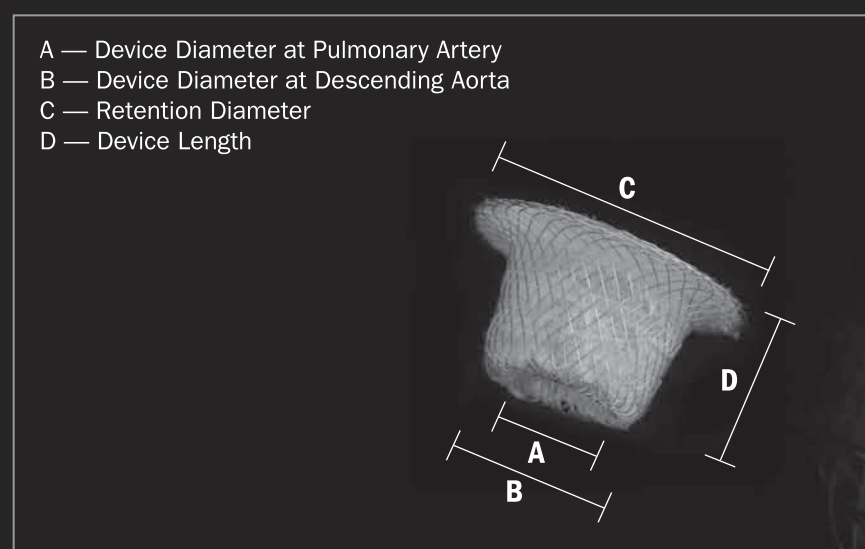


Cocoon

Duct Occluder

The Cocoon Duct Occluder is a percutaneous transcatheter occlusion device used in closure of patent ductus arteriosus. It is made from Nitinol wires coated with platinum using NanoFusion technology.

An extended retention portion on the aortic side provides for proper positioning of the device in the ductus arteriosus. The device is filled with polyester fabric to assist thrombogenicity.



Technical Specifications and Ordering Information – Cocoon PDA device

Catalog Number	Device Diameter at Pulmonary Artery	Device Diameter at Descending Aorta	Retention Diameter	Device Length	Recommended Sheath Size
COP0406	4 mm	6 mm	10 mm	7 mm	6-7 French
COP0608	6 mm	8mm	12 mm	7 mm	6-7 French
COP0810	8 mm	10mm	16 mm	8 mm	7-8 French
COP1012	10 mm	12 mm	18 mm	8 mm	7-8 French
COP1214	12 mm	14 mm	20 mm	8 mm	9-10 French
COP1416	14 mm	16 mm	22 mm	8 mm	9-10 French
COP1618	16 mm	18 mm	24 mm	8 mm	9-10 French
COP1820	18 mm	20 mm	26 mm	8 mm	10 French

Manufactured by:

Vascular Innovations Co. Ltd.
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 Tel: (66) 02-598-2361
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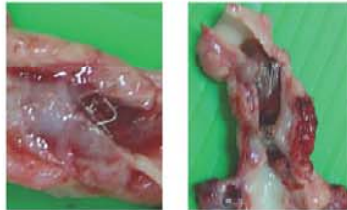
Self-expandable device made from
nanoplatinum covered Nitinol wire mesh



FEATURES

- Nanoplatinum provides superior bio-compatible properties compared to Nitinol
- Prevents Nickel leaching into the anatomy
- Prevents corrosion of Nitinol wire frame
- Platinum provides radioopacity which enables easy positioning in the defect
- Ability to recapture and reposition
- High success rate of closure
- Ease of deployment

PRE-CLINICAL STUDIES



Seven days after implantation in a pig PDA shows a well-encapsulated device.

CLINICAL STUDY



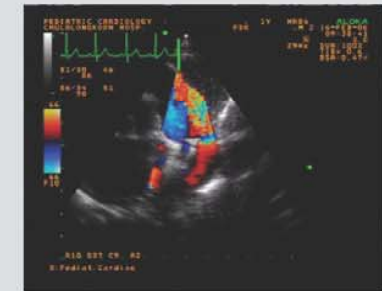
Aortogram in a 5 year old girl with PDA before Cocoon device implantation.



Aortogram in a 5 year old girl with PDA after Cocoon device implantation.



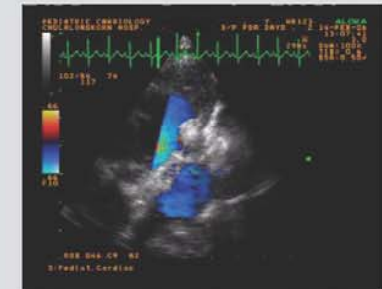
Echocardiographic study in 1 year old boy with PDA size 4.8mm.



Color Doppler shows flow from descending aorta across PDA to pulmonary artery.



Two hours after device implantation, the PDA was completely closed.



Color Doppler showing complete closure, two hours after device implantation.