



The Cocoon Septal Occluder is used in transcatheter atrial septal defect closure. It is made from Nitinol wires covered with platinum using NanoFusion technology.

The device is a self-expandable, double-disc device connected by a waist at the center of the discs. The discs are filled with polypropylene fabric to assist thrombogenicity.

**Technical details of Cocoon
24mm sizing Balloon (COB-024)**

Inflated Diameter (mm)	Inflation Volume (cc)
24	20
25	22
26	24
27	26
28	28
29	30
30	32
31	34
32	36
33	38
34	40
35	42
36	44

**Technical details of Cocoon
34mm sizing Balloon (COB-034)**

Inflated Diameter (mm)	Inflation Volume (cc)
34	50
35	52
36	54
37	57
38	61
39	65
40	68
41	73
42	78
43	83
44	88
45	94
46	101

Technical Specifications and Ordering Information – Cocoon ASD device

Catalog Number	Device size (=stretched ASD)	LA Disc Diameter	Width of connecting waist	RA Disc Diameter	Recommended Sheath size
COA08	8 mm	20mm	3 mm	18 mm	6-7 French
COA10	10 mm	22 mm	3 mm	20 mm	6-7 French
COA12	12 mm	26 mm	4 mm	22 mm	8-9 French
COA14	14 mm	28 mm	4 mm	24mm	8-9 French
COA16	16 mm	30 mm	4 mm	26 mm	8-9 French
COA18	18 mm	32 mm	4 mm	28 mm	10-12 French
COA20	20 mm	34 mm	4 mm	30 mm	10-12 French
COA22	22 mm	36 mm	4 mm	32 mm	10-12 French
COA24	24 mm	38 mm	4 mm	34 mm	10-12 French
COA26	26 mm	40 mm	4 mm	36 mm	10-12 French
COA28	28 mm	42 mm	4 mm	38 mm	10-12 French
COA30	30 mm	44 mm	4 mm	40 mm	12-14 French
COA32	32 mm	46 mm	4 mm	42 mm	12-14 French
COA34	34 mm	50 mm	4 mm	44 mm	12-14 French
COA36	36 mm	52 mm	4 mm	46 mm	12-14 French
COA38	38 mm	54 mm	4 mm	48 mm	12-14 French
COA40	40 mm	56 mm	4 mm	50 mm	12-14 French

Manufactured by:

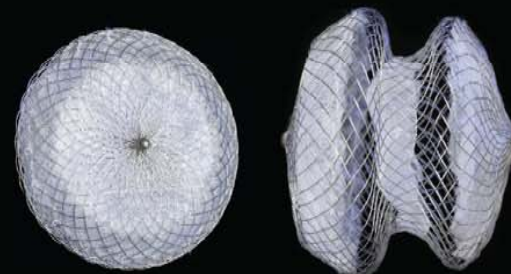
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Self expandable double disc device made from nanoplatinum covered Nitinol wire mesh

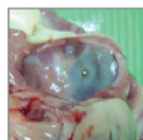


The platinum coated discs are filled with multiple polypropylene woven fabric which aids in total occlusion of the defect.

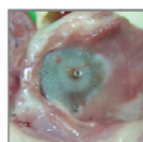
FEATURES

- Nanoplatinum provides superior bio-compatible properties compared to Nitinol
- Prevents Nickel leaching into the blood stream in the heart
- Prevents corrosion of Nitinol wire frame in long term implants
- Platinum provides radioopacity which enabling easy positioning in the defect
- High Success rate of closure
- Ability to recapture and reposition
- Ease of Deployment

PRE-CLINICAL STUDIES



Neoendothelialization on the left atrial surface of the device at 36 days after implantation



Neoendothelialization on the right atrial surface of the device at 36 days after implantation

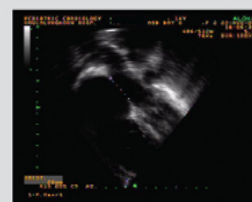


Neoendothelialization on the left atrial surface of the device at 42 days after implantation

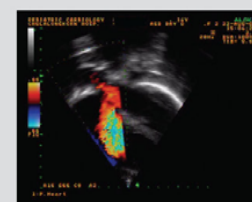


Neoendothelialization on the right atrial surface of the device at 42 days after implantation

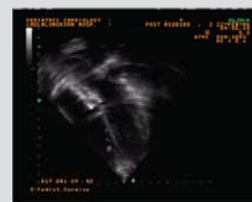
CLINICAL STUDY



Preclosure – ASD size of 26mm



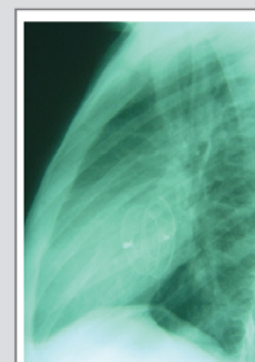
Preclosure – left to right shunt by color Doppler



Four chamber view showing complete ASD closure – 180 day after Cocoon device implantation



Parasternal short axis view showing complete ASD closure – 180 day after Cocoon device implantation



Lateral view chest Xray showing Cocoon ASD device after implantation