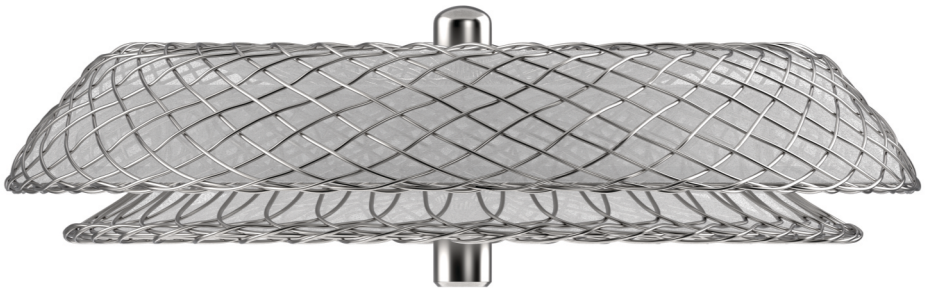


Cocoon

Occluders

SMT | VASCULAR INNOVATIONS

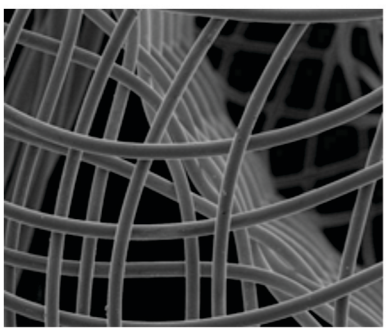
Cocoon

60,000+ implants globally

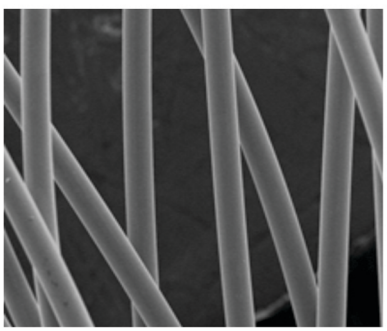
Platinum Coating Technology

The nitinol wire used in Cocoon Occluders is coated with **platinum** atoms (upto 25 microns) using nano fusion technology by plasma deposition

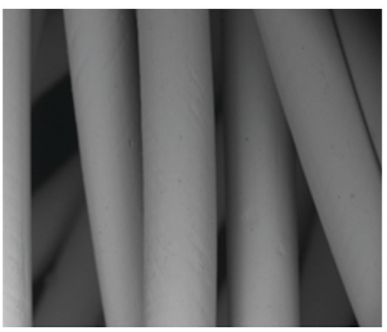
Raw Nitinol



Electropolished



Platinum Coating



Platinum coating makes Cocoon Occluders

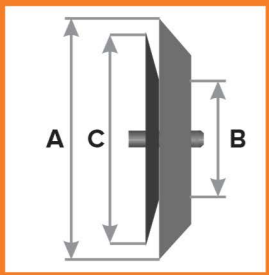
- **Biocompatible**
- **Non-corrosive**
- **Non-allergic**
- **More radiopaque**

Cocoon

Septal Occluder

Key Highlights

- Self-expanding, Self-centering double disc device with unique platinum coated Nitinol wire mesh
- Both disc are connected by a waist at the center
- Discs are filled with polypropylene fabric which assist thrombogenicity
- Ability to recapture and redeploy*
- 0% Erosion up to 43 months of follow up in more than 4000 patients[1]
- 95 to 100% Device Success Rate from early European experience[2]



Design:
Left atrial disc (A)
Device waist (B)
Right atrial disc (C)

Sizing Balloons	
Model	Balloon diameter
CAB24	24 mm
CAB34	34 mm

Technical Specifications

Product Code	Device Size (mm)	Left Atrial Disc Ø (mm) (A)	Waist Ø (mm) (B)	Right Atrial Disc Ø (mm) (C)	Sheath Ø (mm)
COA08	8	20	3	18	6-7
COA10	10	22	3	20	6-7
COA12	12	26	4	22	8-9
COA14	14	28	4	24	8-9
COA16	16	30	4	26	8-9
COA18	18	32	4	28	10-12
COA20	20	34	4	30	10-12
COA22	22	36	4	32	10-12
COA24	24	38	4	34	10-12
COA26	26	40	4	36	10-12
COA28	28	42	4	38	10-12
COA30	30	44	4	40	12-14
COA32	32	46	4	42	12-14
COA34	34	50	4	44	12-14
COA36	36	52	4	46	12-14
COA38	38	54	4	48	12-14
COA40	40	56	4	50	12-14
COA42	42	58	4	52	14

Cocoon Septal Occluder delivery system has sheath, dilator, loader and hemostatic valve

Usable length of compatible accessories (cm)

	6F	7F	8F	9F	10F	12F	14F
Sheath	60	60	78	78	78	78	78
Dilator	66	66	84	84	84	84	84
Loader	9	9	9	11	11	13	13

Delivery Cable

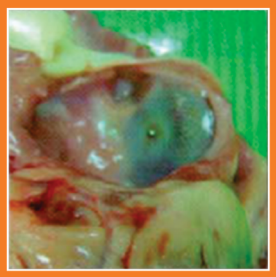
Description	Profile (Inch)	Length (cm)	Catalogue Number
6F Delivery Cable	0.077"	117	CDC6F

*Recapture and Redeployment is possible only if delivery cable is securely connected to the disc.

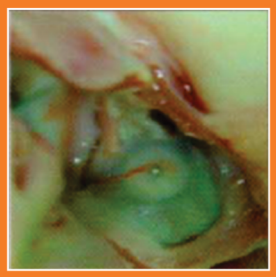
Cocoon

Septal Occluder

Pre-clinical Studies

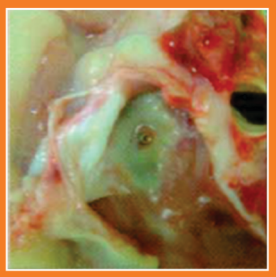


Neoendothelialization on the left atrial surface of the device at 36 days after implantation



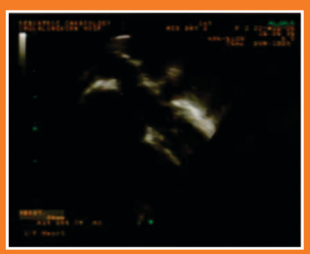
Neoendothelialization on the left atrial surface of the device at 42 days after implantation

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

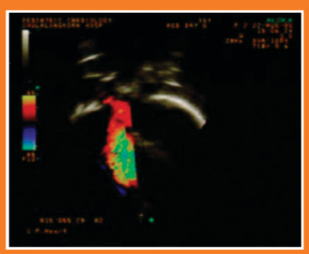


Neoendothelialization on the right atrial surface of the device at 42 days after implantation

Clinical Case

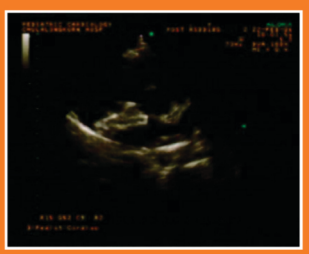


Pre closure - ASD* size of 26 mm



Pre closure - left to right shunt by Color Doppler

Four chamber view showing complete ASD closure - 180 days after Cocoon device implantation



Parasternal short axis view showing complete ASD closure - 180 days after Cocoon device implantation

Data on file

Ordering Information

Product Code	Sheath (Fr)	Cocoon Accessory Set Catalog Number	Cocoon Delivery Cable Catalog Number
COA08	6-7	COA6F / COA7F	CDC6F
COA10	6-7	COA6F / COA7F	CDC6F
COA12	8-9	COA8F / COA9F	CDC6F
COA14	8-9	COA8F / COA9F	CDC6F
COA16	8-9	COA8F / COA9F	CDC6F
COA18	10-12	COA10F / COA12F	CDC6F
COA20	10-12	COA10F / COA12F	CDC6F
COA22	10-12	COA10F / COA12F	CDC6F
COA24	10-12	COA10F / COA12F	CDC6F
COA26	10-12	COA10F / COA12F	CDC6F
COA28	10-12	COA10F / COA12F	CDC6F
COA30	12-14	COA12F / COA14F	CDC6F
COA32	12-14	COA12F / COA14F	CDC6F
COA34	12-14	COA12F / COA14F	CDC6F
COA36	12-14	COA12F / COA14F	CDC6F
COA38	12-14	COA12F / COA14F	CDC6F
COA40	12-14	COA12F / COA14F	CDC6F
COA42	14	COA14F	CDC6F

*ASD : Atrial Septal Defect

1.International experience with the use of Cocoon septal occluder for closure of atrial septal defects. Hellenic J Cardiol. 2021 Jan 20:S1109-9666(20)30291-8. doi: 10.1016/j.hjc.2020.12.009. Epub ahead of print. PMID: 33484876.
2. Int J Cardiol. 2014 Dec 15;177(2):418-22., Catheterization and Cardiovascular Interventions. 2015 Sep 1;86(3).

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