

ALN VENA CAVA FILTERS INTENDED TO BE RETRIEVABLE AT ANY TIME

## THE OPTIONAL ALN VENA CAVA FILTER

PERMANENT AND/OR TEMPORARY



Prevention of thrombus migration  
Proven clinical effectiveness  
High performance design

DEVICES



## ALN VENA CAVA FILTER

THE OPTIONAL ALN VENA CAVA FILTER WITH HOOK

### Easy to implant

No reported cases of non-opening of the filter once released

- Keeps its final spatial form due to the filter holder.
- Different length of the legs minimizes the risk of legs interlacing.
- Legs are at two different levels:  
Upper level for anchoring (6 shorter legs)  
Lower level for centering (3 longer legs).
- Introducer sheath= low profile 7F  
Retrieval sheath= low profile 9F.
- Legs' configuration minimizes risk of cava penetration.
- The only Retrievable IVC filter approved to be implanted in patients whose Vena Cava Diameter is less than or equal to 32mm.

The choice  
is yours !

The ALN Vena Cava Filter with hook can be removed using one of the ALN Removal Kits or using a snare. (Only by jugular approach)\*

\* The wire diameter of the snare must not exceed 0.6 mm. The removal sheath used with the snare must have an internal diameter of at least 9F.

EXPERIENCE

# THE OPTIONAL ALN VENA CAVA FILTER

3 Approaches

Experience  
demonstrates  
efficacy.

A FILTER USED FOR  
MORE THAN  
25 YEARS



FEMORAL



JUGULAR  
OR  
BRACHIAL

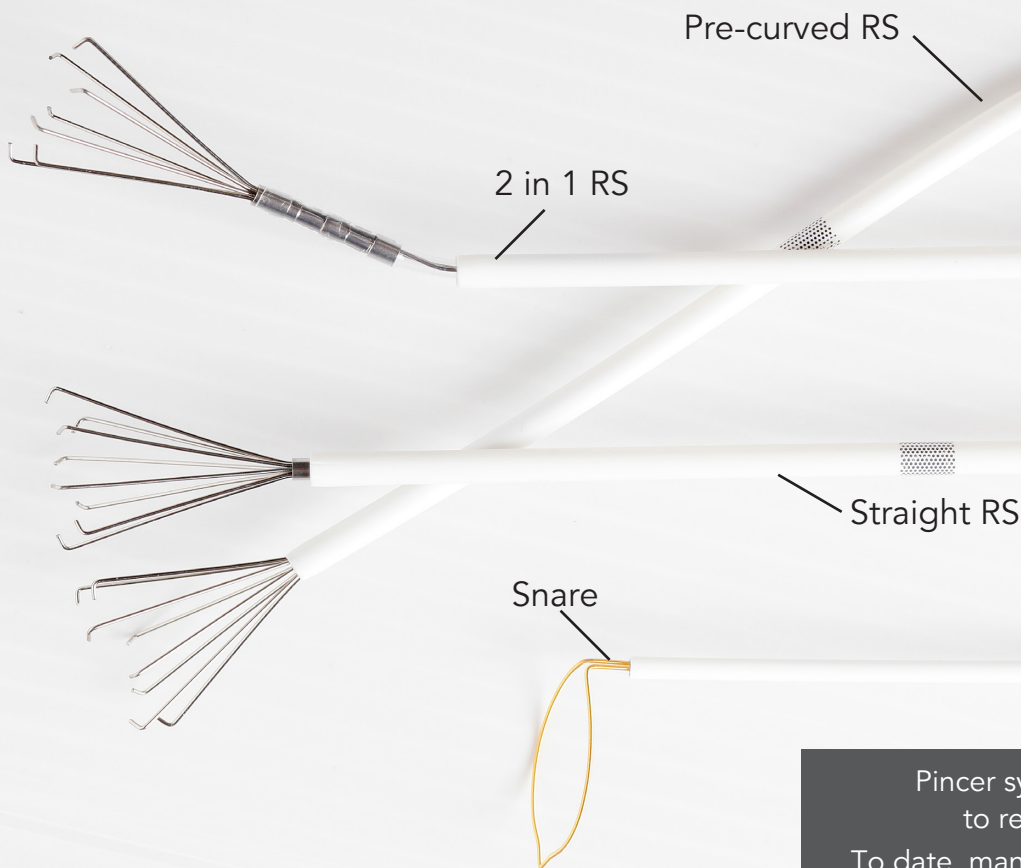
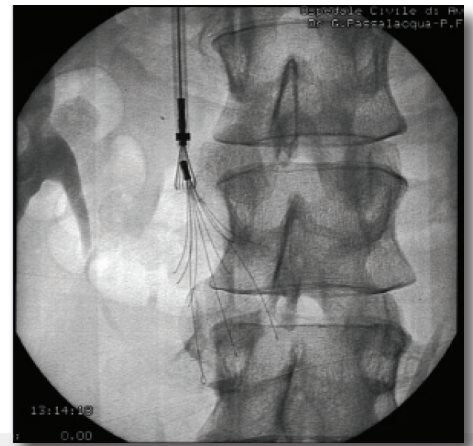




# PERFORMANCE

## THE ALN REMOVAL AND/OR REPOSITIONING KITS

ONLY BY JUGULAR APPROACH



### Excellent corrosion resistance

- The only optional IVC filter manufactured in Stainless Steel and without any welding points: less risk of fracture.
- Low thrombosis rate.
- Low recurrent PE rate.
- Low migration rate.
- High successful retrieval rate.
- To date, more than 15,000 successful retrievals of ALN Filters worldwide.

### 3T MRI compatible

Pincer system specially designed to remove the ALN Filter.

To date, many documented removals after long periods (including one removal at 12 years and another one at 40 months).<sup>1,2</sup> First removal at the end of 1999.





# THE ALN VENA CAVA FILTER

Clinical experience  
for more than  
25 years

«As a long-lasting insertion period is usually perceived by clinician as a contraindication for retrieval, we hereby report the removal of an optional IVC filter (product code FJ.120096; ALN Implants Chirurgicaux, Bormes Les Mimosas, France) 12 years after insertion.»  
(Couturier M, et al.)<sup>1</sup>

«The mean interval between implantation and retrieval was 25.6 months (range, 14.8–40.8 months). The longest dwell time was 40 months.»

«Optional ALN filter retrievals can be performed safely after more than 1 year following implantation.»  
(JVIR 2012, Nov 29)<sup>2</sup>

«These results provide information on the safety of ALN filter retrieval after extended implantation times. The failure rate of filter retrieval was low and we did not observe significant complications during the period of filtration. The main problem remaining to be solved is the exact placement of optional filters for management of thromboembolic disease now that it is proven that they can be used safely and extracted roughly at any time after implantation.»  
(Cardiovasc Intervent Radiol 2008)<sup>3</sup>

«The filter could be easily inserted and successfully removed up to 1 year after insertion. Its safety and efficacy in preventing pulmonary embolism should be properly assessed in a randomized study.»  
(CHEST 2007; 131:223–229)<sup>4</sup>

«No link between time of implantation and success of retrieval:  
Conclusion: A pathologic study confirms that the ALN IVC Filter can be easily and safely retrieved after a short, middle, and long period of implantation. We did not find any correlation between the delay of retrieval and the few difficulties of the procedure and the pathologic examination reports. We think this could be related to the configuration of the device.»  
(RSNA Chicago November 2006, Scientific Poster Vascular/ Interventional)<sup>5</sup>

1 Couturier M, et al.

Couturier M, et al. Successful retrieval of a long-lasting temporary inferior vena cava filter. Diagnostic and Interventional Imaging (2016)

2 JVIR 2012

Successful Retrieval of 29 ALN Inferior Vena Cava Filters at a Mean of 25.6 Months after Placement.

O.Pellerin, M.di Primio, O.Sanchez, G.Meyer and M.Sapoval

3 Cardiovasc Intervent Radiol 2008 May 21

Early and Late Retrieval of the ALN Removable Vena Cava Filter: Results from a Multicenter Study.

Pellerin O, Barral FG, Lions C, Novelli L, Beregi JP, Sapoval M

4 CHEST, January 2007

A prospective Long-term Study of 220 Patients with a retrievable Vena Cava Filter for Secondary Prevention of Venous Tromboembolism.

P.Mismetti, K.Rivron-Guillot, S.Quenet, H.Décousus, S.Laporte, M.Epinat and F.G.Barral

5 Chicago November 2006

Safety of a Non-time limited Retrievable Vena Cava Filter: A Pathologic Study

Barral F.G, Decousus H, Poech M, Mohammedi R

# PRODUCT CODES

5-year  
shelf life

		Product Code	Maximum diameter of the vena cava (mm)	Length of the filter (mm)	Introducer Sheath	
					French size (ID)	Length (mm)
ALN Vena Cava Filter	Jugular Kit	FJ.120096	32	55	7	600
	Brachial Kit	FB.010500	32	55	7	1200
	Femoral Kit	FF.010995	32	55	7	600
ALN Vena Cava Filter with Hook	Jugular Kit	FJ.HOOK	32	59	7	600
	Brachial Kit	FB.HOOK	32	59	7	1200
	Femoral Kit	FF.HOOK	32	59	7	600

The implantation kit includes : the ALN filter in its holder, an introduction system (dilator, introduction sheath, pushing catheter), a puncture needle, a "J" Tip guidewire.

		Product Code	Introducer Sheath	
			French Size (ID)	Length (mm)
ALN Vena Cava Filter Removal and / or Repositioning Kit <i>Only by Jugular approach</i>	ALN Straight RS	FT.902010	9	570
	ALN Pre-Curved RS	FT.902010/VS2	9	570
	ALN 2 in 1 RS	RK-2010	9	610

The removal kit includes : a clamp catheter, an introduction system (dilator and introduction sheath), a puncture needle, a "J" Tip guidewire.



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FDA Cleared