

LINK

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Results of a Multicenter Italian Registry of Real World CAS with the
C-Guard Mesh Covered Stent: the **IRONGUARD 2 Study**

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Disclosure



Speaker name:

Wassim Mansour

I have the following potential conflicts of interest to report:

- Consulting
- Employment in industry
- Stockholder of a healthcare company
- Owner of a healthcare company
- Other(s)

- I do not have any potential conflict of interest

Starting Point



CLINICAL RESEARCH INTERVENTIONS FOR HYPERTENSION AND STROKE

Thirty-day results from prospective multi-specialty evaluation of carotid artery stenting using the CGuard MicroNet-covered Embolic Prevention System in real-world multicentre clinical practice: the IRON-Guard study



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CGUARD™
Carotid Embolic Prevention System

InspireMD

Starting Point



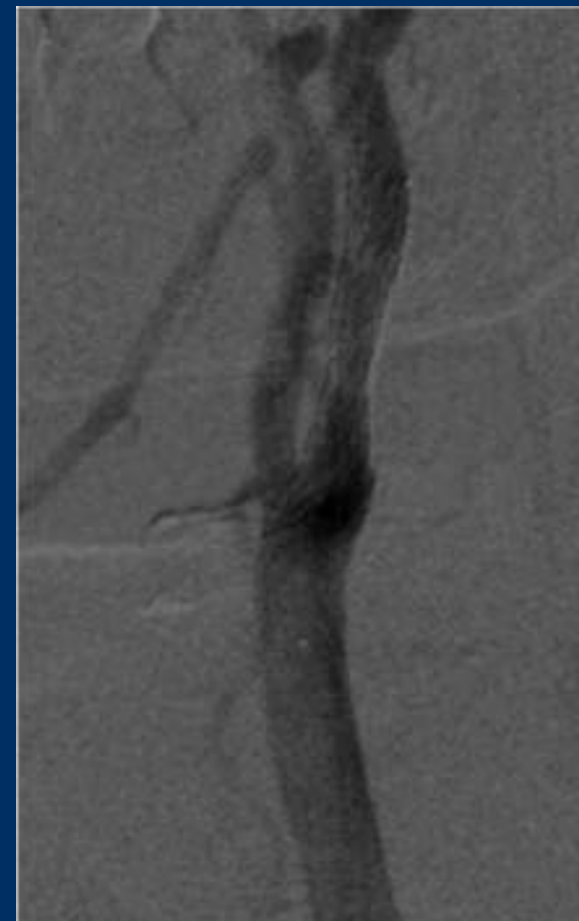
Thirty-day results from prospective multi-specialty evaluation of carotid artery stenting using the CGuard MicroNet-covered Embolic Prevention System in real-world multicentre clinical practice: the IRON-Guard study

April 2015 – June 2016
200 enrolled patients
Technical Success: 100%

MACCE=0

5 minor strokes

2 TIAs

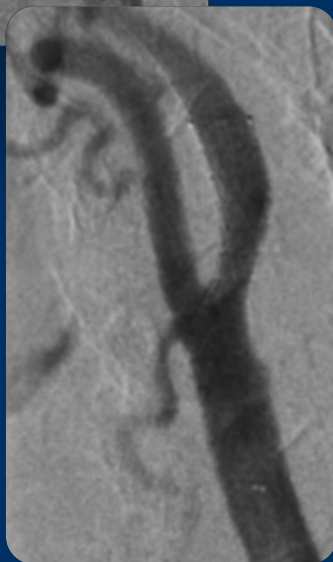
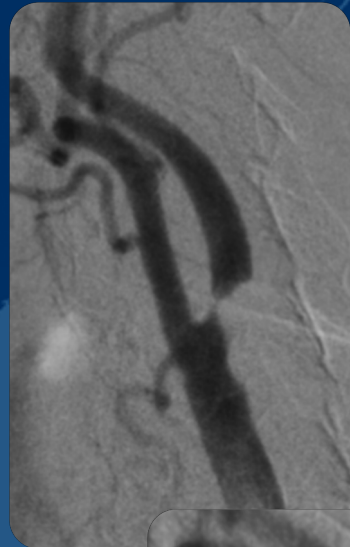


EuroIntervention 2018



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@ 1 Year Ironguard



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SHORT REPORT PERIPHERAL INTERVENTIONS

Twelve-month results of the Italian registry on protected CAS with the mesh-covered CGuard stent: the IRON-Guard study



Laura Capoccia*, MD; Pasqualino Sirignano, MD; Wassim Mansour, MD; Enrico Sbarigia, MD; Francesco Speciale, MD

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This paper also includes supplementary data published online at: http://www.pcronline.com/eurointervention/143rd_issue/206

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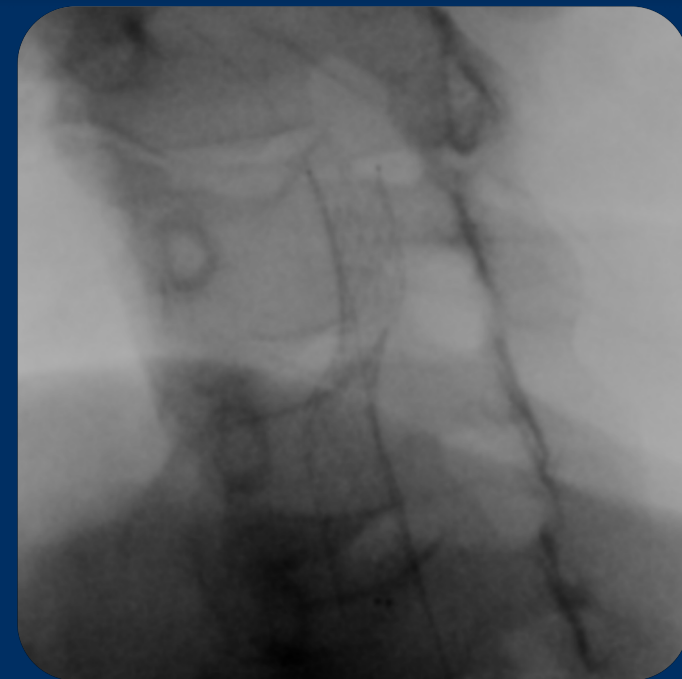


Twelve-month results of the Italian registry on protected CAS with the mesh-covered CGuard stent: the IRON-Guard study

No major neurological adverse event

No stent thrombosis

No ECA occlusion



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Enrollment



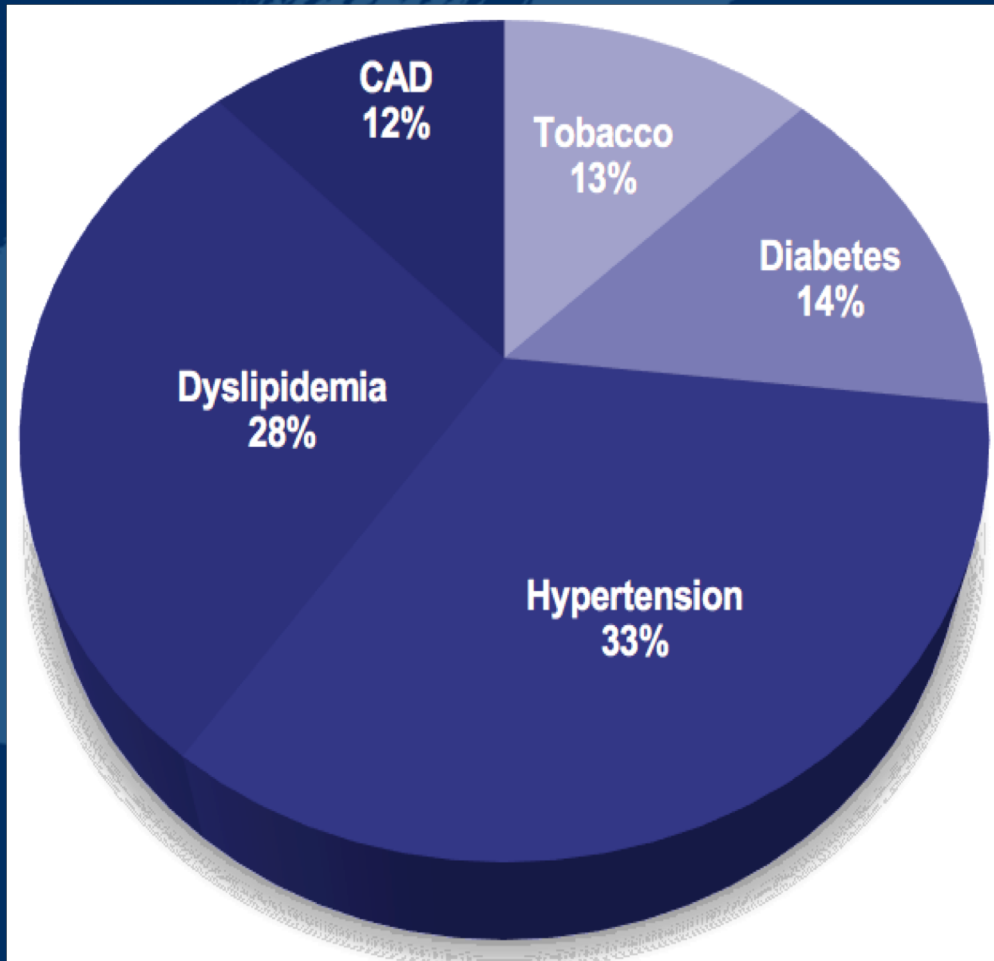
So we decide to continue our experience with a **NEW** registry:



Target: 500 Patients

Till august 2018,
342 Patients
in 15 enrolling Centers

Demographic



Age: 72.5 ± 7.86 yy (48-97)

Male Gender: 245 (71.22%)

Tobacco Abuse: 112 (32.55%)

Diabetes: 125 (36.33%)

Hypertension: 291 (84.59%)

Dyslipidemia: 251 (72.96%)

CAD: 107 (31.10%)

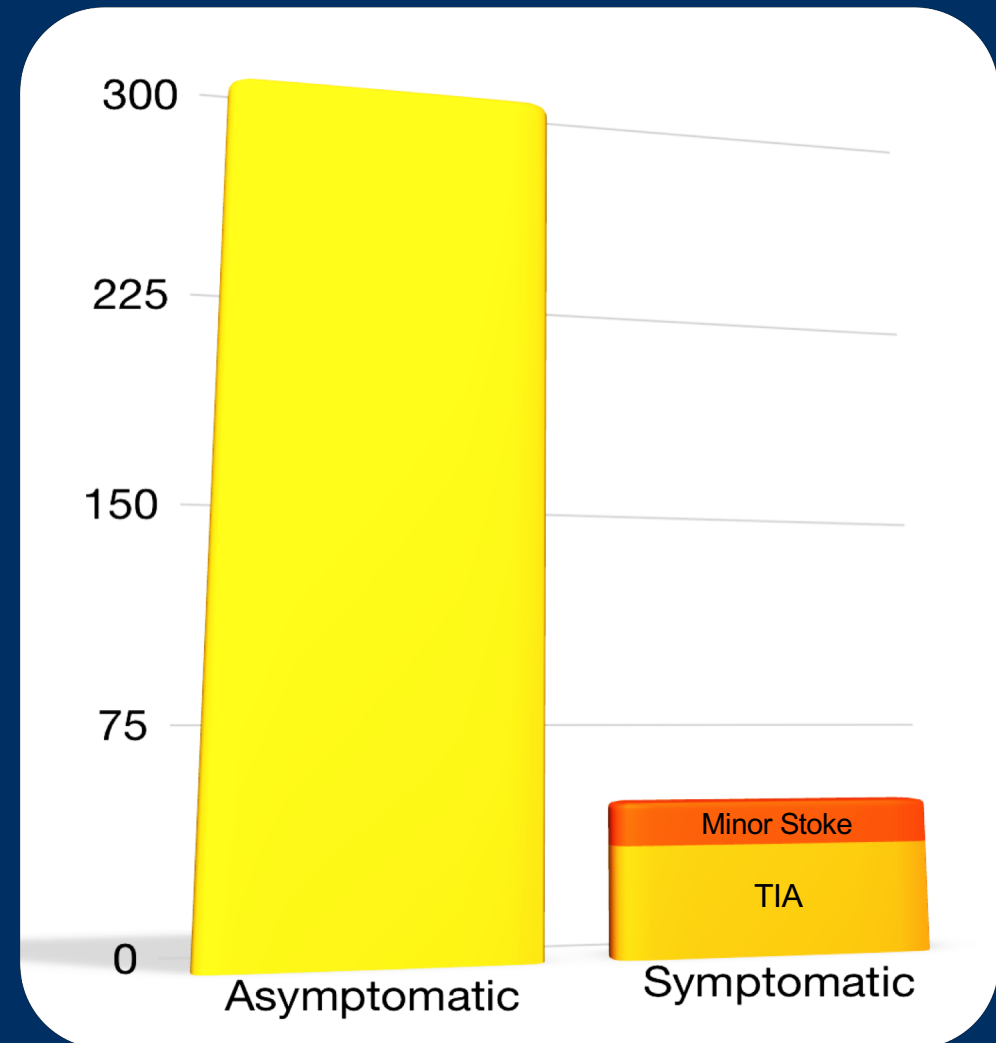
Symptoms



50 out 342 patients
(14.53%) were
symptomatic

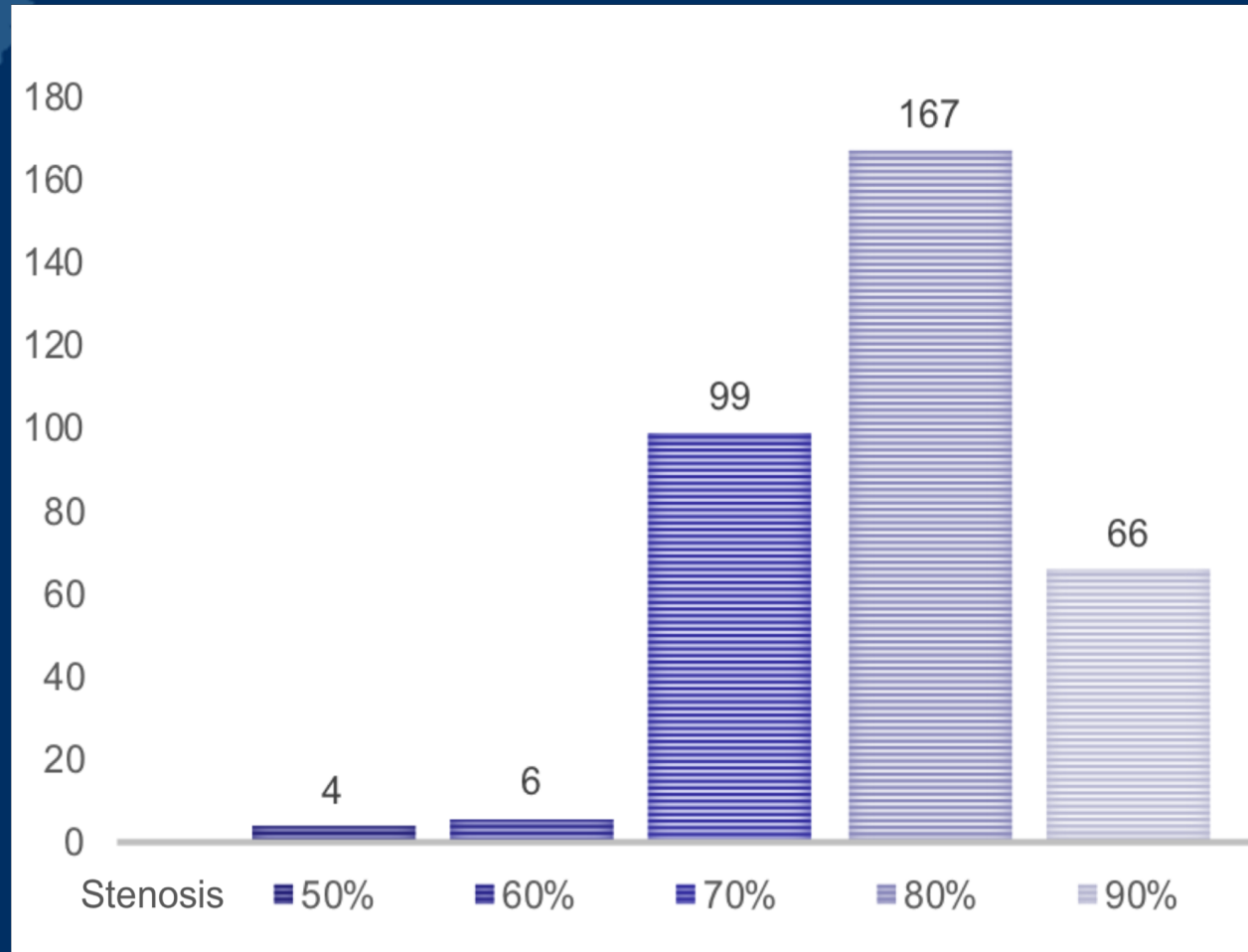
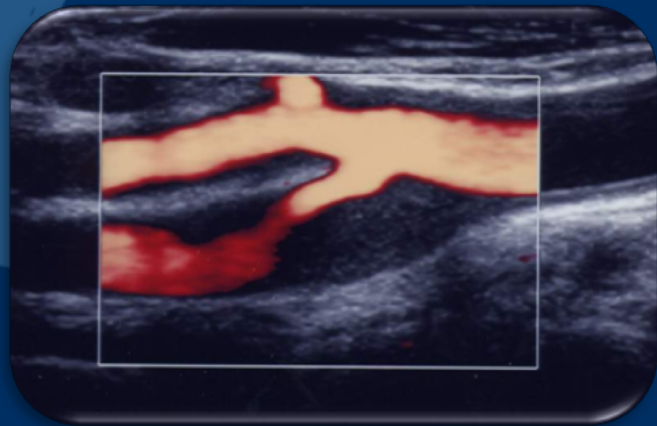
36 TIA (72%)

14 Minor Stroke (28%)



Target Lesions

Stenosis
84.97 ± 6.51%
(50-99)



Plaques Composition

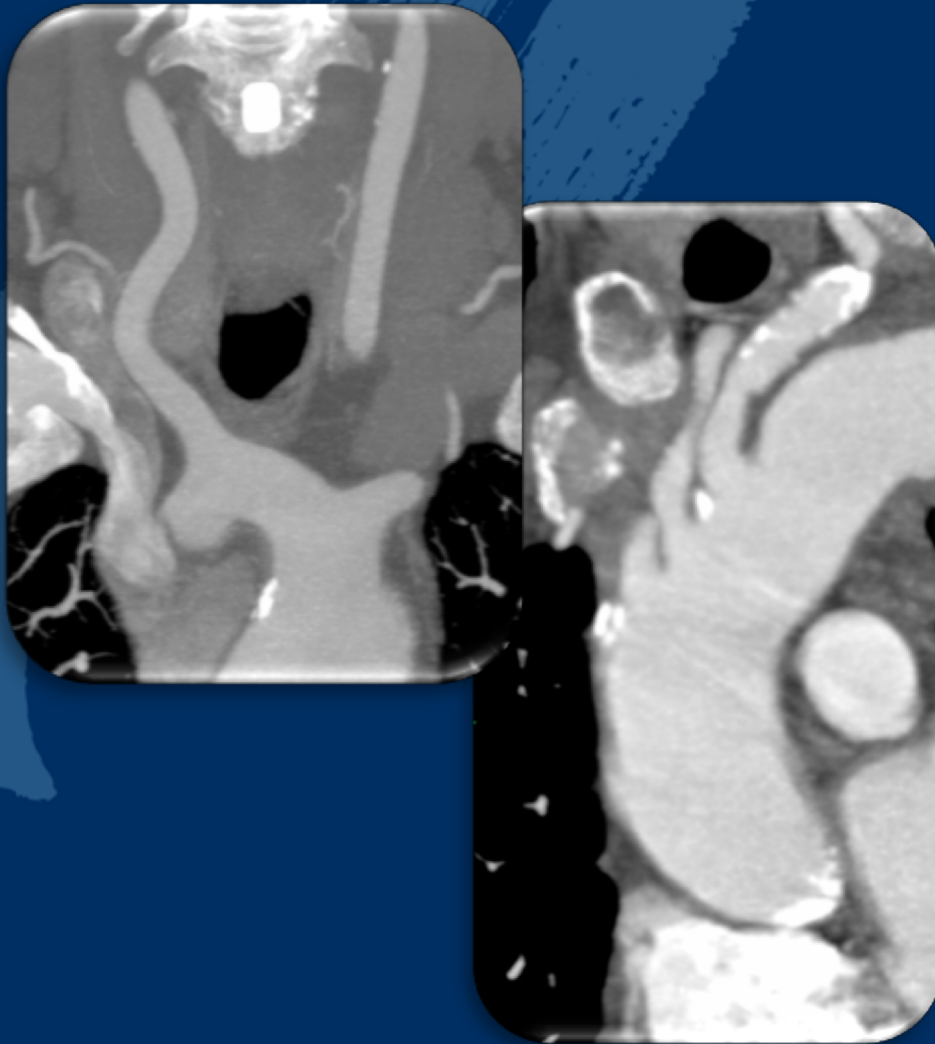


Hyperechoic	102 (29.65%)
Hypoechoic	77 (22.38%)
Isoechoic	45 (13.08%)
Disomogeneous	80 (23.25%)
Ulcerated	12 (4.09%)
Thin fibrous Cap	5 (1.45%)
Post-CEA restenosis	21 (6.10%)



97 (28.79%) presented an high-risk carotid plaque

Arch Anatomies



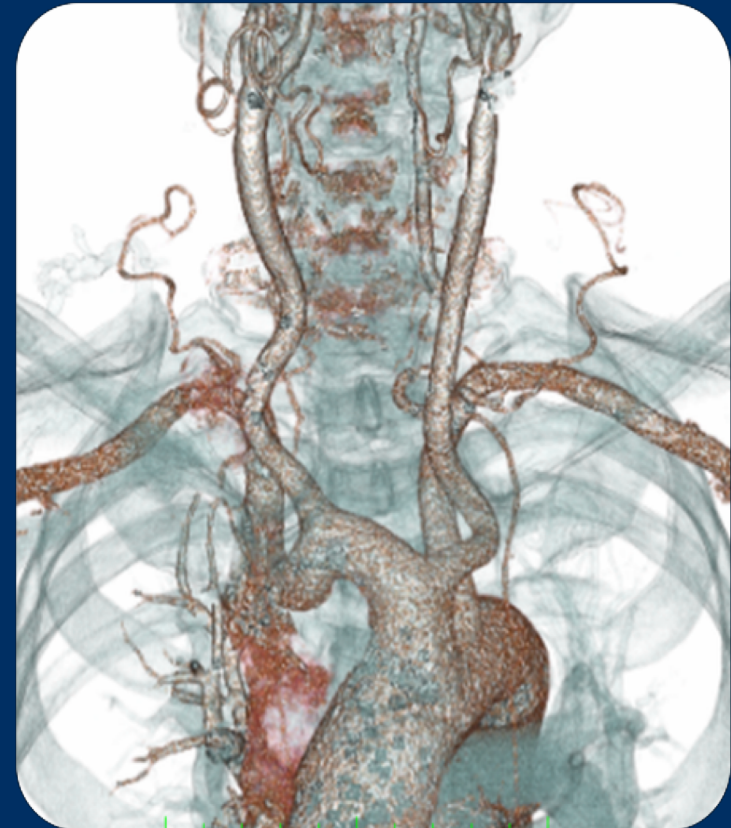
Type I	135 (39.47%)
Type II	161 (47.07%)
Type III	12 (3.51%)
Bovine	34 (6.10%)

**All aortic arch morphologies
were enrolled in the study**

Arch Anatomies

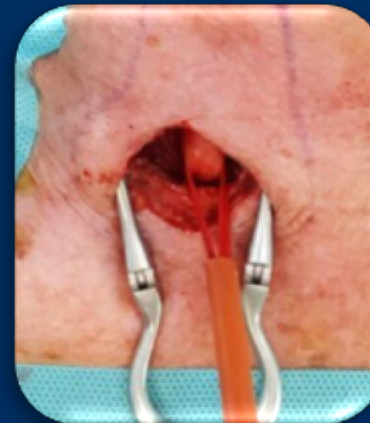
Thrombosis	15 (4.38%)
Calcifications	89 (26.02%)
Moderate/Severe Tortuosity	120 (35%)

1/3 of enrolled patients presented significant supra-aortic vessels tortuosity



Procedural Details

Almost in all cases a **transfemoral approach** was chosen (98.24%), while also brachial (0.88%) and transcervical approaches (0.88%) are reported



Procedural Details



Embolic Protection Device was adopted in **99.70%** of patients.

Proximal occlusion device (Mo.Ma.) in 50 (14.62%), and distal filter in 291 (85.08%)

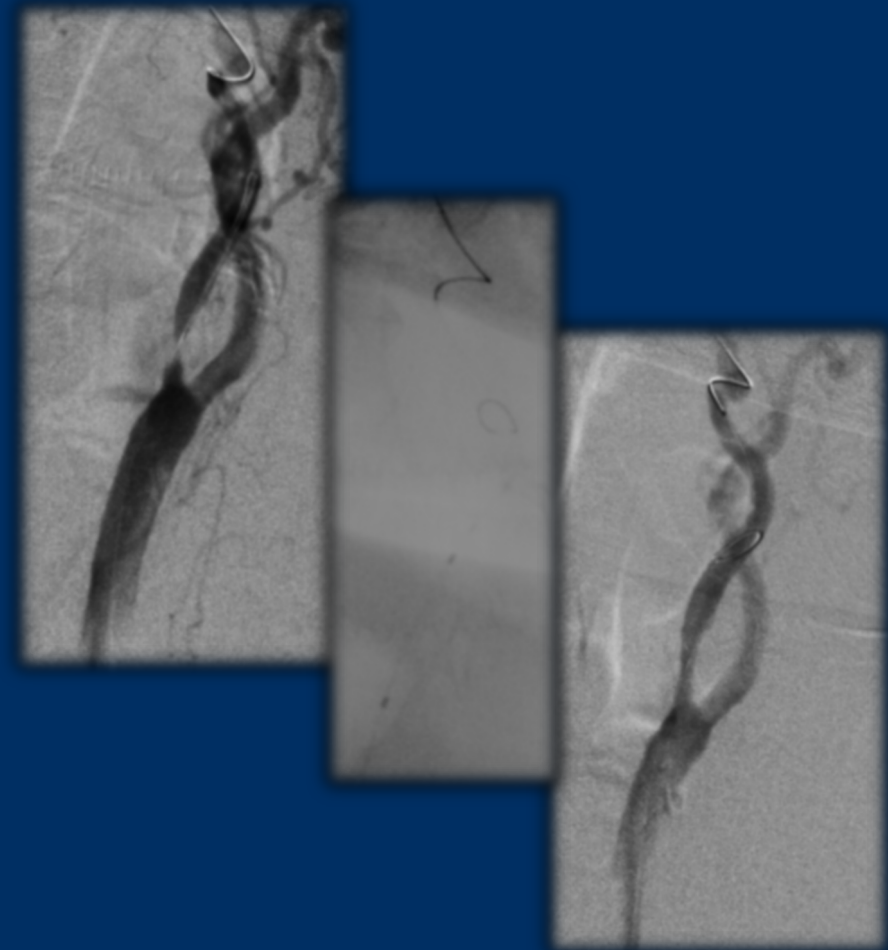
Procedural Details

Pre-dilatation 89 (26.02%)*

Post-dilatation 286 (83.26%)

Atropine 216 (63.15%)

Contrast amount 61.78 ± 37.72 ml



*In IronGuard 1 predilatation was done in 64 patients (32%)

Results 24 h

5 TIAs

1 Minor Strokes

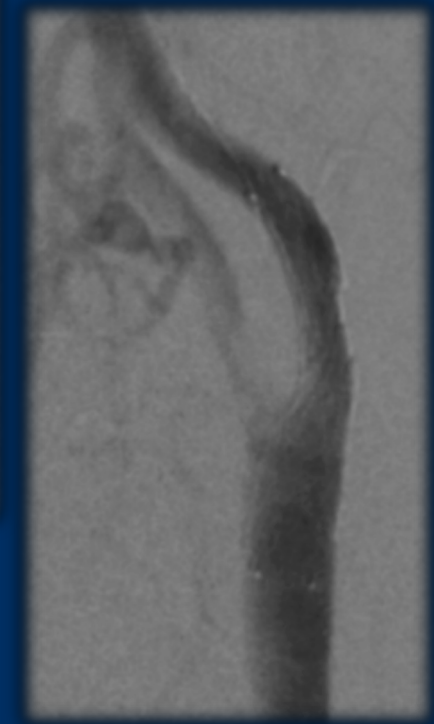
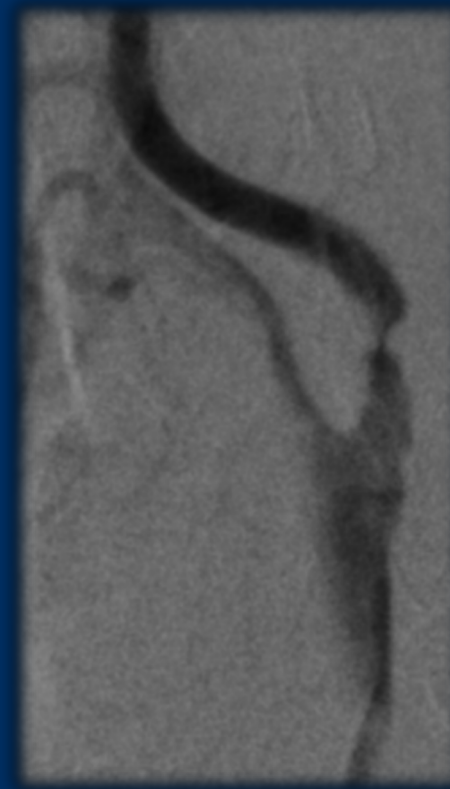
1.75%

No AMI

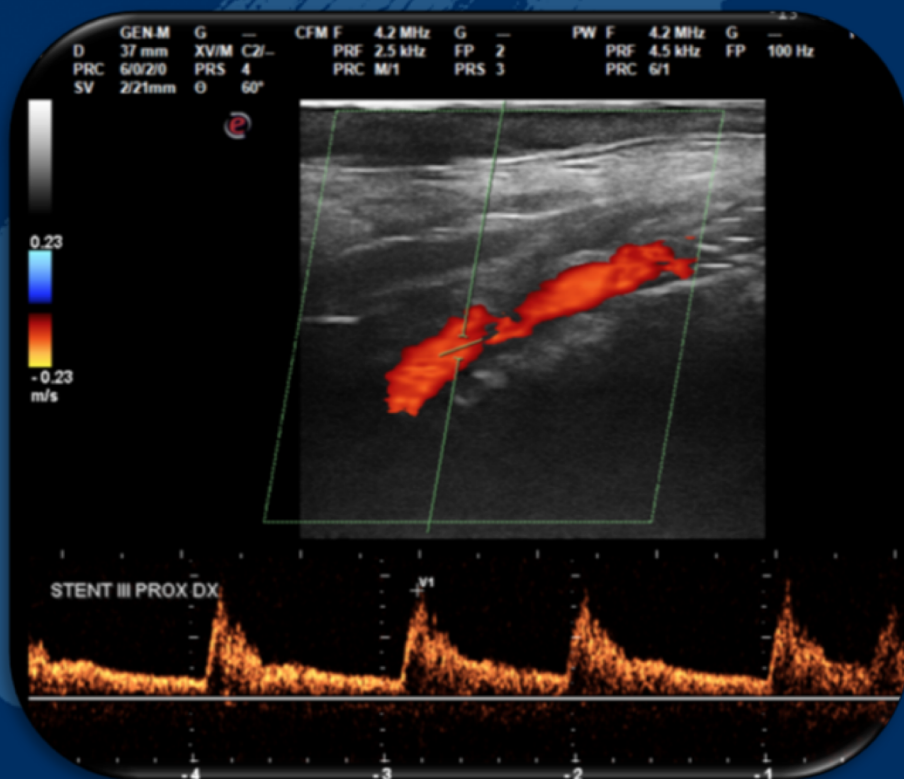
No Death

2 ECA occlusions

4 Severe Bradycardias



@ 1 Month Results



Data available on 255 Pts

2 neurological event (TIA, Minor Stroke)

No AMI

No Death

NO STENT THROMBOSIS

ACE patency 97.60%



@ 1 Month Results

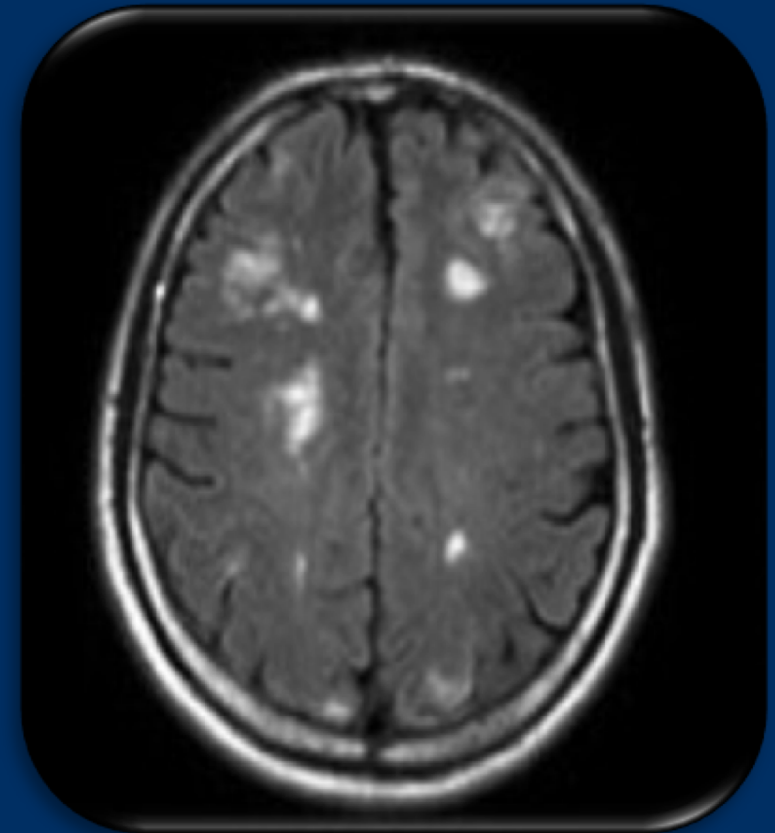


Stroke rate 0.58%

(2 Minor Strokes)

TIA rate 1.72%

Cumulative neurological event rate
2.33%



@ 1 Year Results



Data available on **57 Pts**

1 new MACE: IMA (fatal), no new neurological event

2 Deaths: AMI

Suicide

ACE patency 96.49%



Conclusions

On going analysis!!!

We are still recruiting patients...



Thanks to all



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Maurizio Taurino





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CAROTID AORTIC PERIPHERAL VASCULAR TREATMENT

MAY, 21ST - 22ND 2019

SAVE THE DATE

Symposium Chairman

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Thanks for your attention



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