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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I have nothing to disclose

Conflict of Interest

Enrollment

So we decided to continue our experience with a NEW registry:

Up to August 2018, 342 Patients in 15 enrolling Centers

MACCE=0
5 minor strokes
2 TIA's

Technical Success: 100%

@ 1 Year IRONGUARD

No major neurological adverse event
No stent thrombosis
No ECA occlusion

200 enrolled patients

Demographics

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%)

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50 out of 342 patients (14.53%) were symptomatic
36 TIAs (72%)
14 Minor Strokes (28%)

Stenosis 84.97 ± 6.51% (50-99)

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

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

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

Almost in all cases a transfemoral approach was chosen (96.24%), while also brachial (0.88%) and transcervical approaches (0.88%) were 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%).

Pre-dilatation 89 (26.02%)
Post-dilatation 286 (83.26%)
Atropine 216 (63.15%)
Contrast amount 61.78±37.72ml

Post-Procedural (24h) Results

5 TIs
1 Minor Strokes 1.75%
No AMI
No Death
2 ECA occlusions
4 Severe Bradycardias

Post-Procedural (24h) Results

No AMI
No Death
2 ECA occlusions
4 Severe Bradycardias

@ 1 Month Results

Data available on 255 Pts
2 additional neurological events (1 TIA, 1 Minor Stroke)
No AMI
No Death
NO STENT THROMBOSIS
ACE patency 97.60%

@ 1 Month cumulative Results

Minor Stroke rate 0.58% (n=2)
TIA rate 1.72% (n=6)
Cumulative neurological event rate 2.33%

@ 1Month cumulative Results

Minor Stroke rate 0.58% (n=2)
TIA rate 1.72% (n=6)
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

Ongoing analysis!!!

We are still recruiting patients...

Thanks to all

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