EXPERIENCE FROM THE ANEURYSM COILING EFFICIENCY STUDY IN TREATING PERIPHERAL VESSEL EMBOLIZATION USING LARGE VOLUME RUBY® COILS

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Methods

- 73 cases at 12 centers involving peripheral aneurysms/malformations and vessel sacrifices were treated with Ruby Coils with data collected from March 2012 to July 2015.
  - 7 splenic artery aneurysms
  - 11 renal artery aneurysms
  - 3 mesenteric artery aneurysms
  - 1 hepatic artery aneurysm
  - 1 iliac artery aneurysm
  - 8 AVMs
  - 3 fistulae
  - 5 varices
  - 34 peripheral vessel sacrifices

Results

<table>
<thead>
<tr>
<th>Peripheral Vessel Sacrifices</th>
<th>N=34</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of peripheral vessel sacrifices</td>
<td>N=34</td>
</tr>
<tr>
<td>Median Coils deployed per case</td>
<td>2.0 coils</td>
</tr>
<tr>
<td>Fluoroscopy Time (mean ± SD)</td>
<td>22 ± 16.0 min</td>
</tr>
<tr>
<td>Procedural SAEs*</td>
<td>0 %</td>
</tr>
<tr>
<td>Successful embolization</td>
<td>100%</td>
</tr>
</tbody>
</table>

*Serious adverse events occurring on the table

How the PODCOIL was designed based on the results of The ACE Multicenter Study

Claudio Schönholz
There is some sensitivity to using the Gore brand name, but I understand that the VS community still knows the device under the Parodi name. Consider Gore Flow Reversal System.

E Zachari, 11/5/2009
POD™

• Peripheral Occlusion Device (POD™)
• Designed specifically to occlude vessels

POD™

• High Flow Microcatheter Compatible
• Designed to treat 3.25 mm – 8 mm Vessels

POD™ Anchor Segment has Larger Diameter

Packing Segment has Softer + Smaller Diameter

POD™ Vessel Anchoring

4 mm Coil

POD™ 4

4 mm non-tapered glass tube with flow

POD™ Data

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**Conclusions** Carotid artery sacrifice using a novel POD device is safe and effective, allowing for reduced radiation and material costs compared with any other described endovascular technique.

**Pre Y90 GDA Embolization**

- One POD™ Occluded the GDA Instantly

**POD™**

<table>
<thead>
<tr>
<th>POD</th>
<th>Product Code</th>
<th>Length</th>
<th>Target Vessel</th>
<th>Anchor Segment Distance</th>
<th>Packing Segment Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>POD4</td>
<td>RBYPOD4</td>
<td>30 cm</td>
<td>3.0 - 4.0 mm</td>
<td>3.0 mm</td>
<td>26.0 cm</td>
</tr>
<tr>
<td>POD5</td>
<td>RBYPOD5</td>
<td>30 cm</td>
<td>4.0 - 5.0 mm</td>
<td>3.0 mm</td>
<td>30.0 cm</td>
</tr>
<tr>
<td>POD6</td>
<td>RBYPOD6</td>
<td>50 cm</td>
<td>5.0 - 6.0 mm</td>
<td>3.0 mm</td>
<td>42.0 cm</td>
</tr>
<tr>
<td>POD8</td>
<td>RBYPOD8</td>
<td>60 cm</td>
<td>6.0 - 8.0 mm</td>
<td>3.0 mm</td>
<td>49.0 cm</td>
</tr>
</tbody>
</table>

**Clinical Tips**

- Proper Sizing
- Catheter Position

**Clinical Learnings**

- Proper Sizing
  - Size 1:1
  - Oversizing will result in an elongated coil mass and less dense pack

**Oversized POD™**
Oversized POD™

POD™ Implant
Slightly lanugated Anchor Section

POD™ Sized 1:1

POD™ Sized 1:1
Splenic Artery Sacrifice

ONE 6 mm x 30 cm Ruby® SOFT used to fill
Target Landing Zone 6 mm
POD™ Used

Clinical Learnings

• Catheter Position
  – Place microcatheter deeper than you would with coils
  – POD™ will start to form much closer to the tip of your microcatheter

Case Examples

- Left side SCC
- LCCA and LICA invasion

4 mm x 30 mm POD
6mm x 80mm Fluency

Splenic Artery Sacrifice

Pre-Surgical Renal Artery Embo

Ovarian Vein Embolization

Ovarian Vein Embolization

POD CONCLUSIONS

- Specially designed to sacrifice vessels
- Anchor segment to allow precise and stable coil positioning
- Packing segment with softer coils controlled detachment
- Will reduce the number of coils required to occlude a vessel
- Will reduce the procedure cost