

On-line Table 1: Selected surgical and endovascular series of nonsaccular proximal (defined as arising from the P1 or P2 segment) PCA aneurysms including treatment method and outcome

Author	No. of Cases	Presentation (No.)	Technique (No.)	Angiographic Outcome	Clinical Outcome (No.)
Drake and Peerless, 1997 ¹	17 (16 P1, 1 P3)	aSAH (6), headache (6), mass effect (4), seizure (1)	Proximal clip ligation (15), trapping (2)	NA	Excellent (13), ^a good (4) ^b
Ciceri et al, 2001 ⁵	4 ^c	aSAH (2), nonruptured (2)	Endovascular proximal coil occlusion (3), coiling (1)	PCA territory stroke (1)	GOS ³⁰ 1 (4)
Hallacq et al, 2002 ¹⁰	10 (10 P2)	Headache (7), aSAH (2), Gerstmann syndrome (1)	Proximal balloon or coil occlusion after test occlusion (9), conservative (1)	No recanalization (9), NA (1)	Excellent (8), hemianopia (1), good (1)
Chao et al, 2004 ¹¹	1 ^c	Mass effect (1)	Endovascular proximal coil occlusion after balloon test occlusion (1)	NA	Hemianopia (1)
van Rooij et al, 2006 ¹²	3 (2 P2, 1 P2/P3)	aSAH (2), incidental (1)	Proximal coil occlusion (3)	NA	No deficit (1), GOS 5 (1), death (1)
Cotroneo et al, 2007 ¹³	3 (2 P2, 1 P2/P3)	aSAH (3)	Proximal coil occlusion (2) after test occlusion (1)	No recanalization (3)	Excellent (1), hemianopia (2)
Roh et al, 2008 ¹⁴	6 (4 P2, 1 P1, 1 P2/P3)	aSAH (4), mass effect (2)	Proximal coil occlusion (5), partial aneurysm coiling (1)	NA (5), residual filling (1)	Excellent (4), thalamus/midbrain infarct (2)
Kocaeli et al, 2009 ¹⁵	3 (2 P2, 1 P1/P2)	Headache (2), stroke (1)	Proximal coil occlusion (1) with adjunct revascularization (1), conservative (1)	NA	GOS 5 (2), GOS 4 (1)
Yonekawa et al, 2011 ²⁵	10 (2 P1/P2, 3 P2, 5 P2/P3)	aSAH (2), nonruptured (2), not specified (6)	Proximal clip ligation (4), clipping, trapping, or aneurysmorrhaphy (6), adjunct revascularization (2) ^a	NA	NA
Lee et al, 2011 ²⁶	1 ^c	aSAH (1)	Stent-assisted coiling (1)	Early rehemorrhage, PCA thrombosis, thalamus and occipital lobe infarction (1)	mRS ³⁰ 3 (1)
Wang et al, 2012 ²⁷	9 (4 P2, 2 P2/P3, 2 P1, 1 P1/P2)	aSAH (4), ICH (3), stroke (1), headache (1)	Proximal coil occlusion (4), trapping (2), conservative (2), ventriculostomy (1)	NA	mRS 0 (4), mRS 1 (2), mRS 5 (2), death (1)
Liu et al, 2011 ²⁴	11 (8 P2, 2 P2/P3, 1 P1/P2)	aSAH (5), mass effect (3), headache (2), blurred vision (1)	Proximal coil occlusion (11)	No recanalization (11)	GOS 5 (9), GOS 4 (1), hemianopia (1)
Briganti et al, 2013 ²⁸	5 ^c	NA	Endoluminal reconstruction with the Silk ^e or PED (5)	NA	NA
Pistocchi et al, 2012 ⁸	1 ^c	Recurrence after endovascular treatment (not further specified)	Endoluminal reconstruction with the Silk device (1)	Immediate total occlusion (1)	NA
Phillips et al, 2012 ⁹	3 (2 P1/P3, 1 P2/P3)	Incidental (2), mass effect (1)	Endoluminal reconstruction with the PED (3)	Aneurysm occlusion within 1 month (2), NA (1)	No mRS change (3)
Fischer et al, 2014 ⁷	1 ^c	NA	Endoluminal reconstruction with the PED (1)	NA	NA

Note:—NA indicates not applicable; ICH, intracerebral hemorrhage; GOS, Glasgow Outcome Score.

^a "Excellent" indicates neurologically normal.

^b "Good" indicates neurologic abnormalities detected on examination, but patient returned to full activities of normal living (eg, new hemianopsia).

^c PCA segment not further specified.

^d Two patients received in addition to their primary treatment an adjunct revascularization procedure (EC-IC bypass surgery).

^e Balt Extrusion, Montmorency, France.

On-line Table 2: Patient characteristics^a

	Patient 1	Patient 2	Patient 3	Patient 4	Patient 5	Patient 6
Aneurysm location ⁴	P1	P1	P2	P2	P2	P2
Aneurysm size (maximum diameter, mean length of arterial segment involved)(mm)	5/14	12/6	31/9	23/7	44/19	20/6
Intra-aneurysmal thrombosis	No	Minimal	Subtotal	Subtotal	Subtotal	Subtotal
No. of PEDs (dimension)	1 (3.25 × 10 mm)	1 (3.5 × 16 mm)	1 (3 × 35 mm)	2 (2.5 × 20 mm; 2.75 × 10 mm)	1 (3 × 35 mm)	1 (2.5 × 20 mm)
Intra- and postprocedural complications	No	No	Hemorrhagic vessel perforation	No	Asymptomatic parent vessel occlusion	No
Index symptom	Subacute aSAH	Perforator stroke (hemiparesis)	Mass effect (dizziness; sensorimotor hemisindrome)	Mass effect (CN III palsy)	Mass effect (CN III palsy; sensorimotor hemisindrome)	Mass effect (CN III palsy)
Resolution of index symptoms	Yes	Yes	No	Yes	No	Yes
6-Month angiographic obliteration	Yes	Yes	Yes	Yes	Yes ^b	No
12-Month angiographic obliteration	Yes	Yes	Yes	Yes	Yes	Yes
Follow-up (days)	543	540	710	620	540	725

^a Six consecutive cases with nonsaccular P1 or P2 segment aneurysms were treated with the PED by our team between January 2009 and June 2013 and were subject to retrospective analysis.

^b Asymptomatic parent vessel occlusion on 6-month follow-up angiography.