

ONLINE SUPPLEMENT

Prospective Study on Embolization of Intracranial Aneurysms with the Pipeline™ Device:

The PREMIER Study One-Year Results

Supplemental Table I. Summary of inclusion and exclusion criteria

Inclusion Criteria	Exclusion Criteria
<ul style="list-style-type: none"> ▪ Age 22-80 years ▪ Target aneurysm located in the: <ul style="list-style-type: none"> ○ Internal carotid artery (up to the carotid terminus) or ○ Vertebral artery (segment up to and including the posterior inferior cerebellar artery) ▪ Target aneurysm ≤ 12mm ▪ Target aneurysm had a parent vessel with diameter 1.5-5.0 mm distal/proximal to the target aneurysm ▪ Target aneurysm neck ≥ 4mm or dome to neck ratio ≤ 1.5 ▪ Pre-procedure PRU 60-200 	<ul style="list-style-type: none"> ▪ Intracranial implant in the area of the target aneurysm within the past 12 weeks ▪ SAH in the past 30 days ▪ Anatomy not appropriate for endovascular treatment ▪ Major surgery in the last 30 days ▪ History of irreversible bleeding disorder and/or presents with signs of active bleeding ▪ Contraindication to treatment with the Pipeline™ device ▪ Investigator determined that health of subject or validity of study outcomes may be compromised by subject's enrollment ▪ Pregnant or breastfeeding women or women who wish to become pregnant during the length of study participation ▪ Participated in another clinical trial during the follow-up period that could confound the treatment or outcomes of investigation

PRU: P2Y12 reaction units; SAH: subarachnoid hemorrhage

Supplemental Table II. Reasons for aneurysm treatment as described by PREMIER treating physicians

Reasons for aneurysm treatment PREMIER study	Rate of Patients with Factor, n (%) (N=141)
Patient preference to be treated	89 (63.1)
Age	36 (25.5)
Familial history of aneurysm or SAH	35 (24.8)
Reduced QOL due to fear of rupture	31 (22.0)
Aneurysm multiplicity	53 (37.6)
Aneurysm location	41(29.1)
Aneurysm irregularity or lobulation	38 (27.0)
Aneurysm size	20 (14.2)
Aneurysm growth on serial imaging	16 (11.3)

QOL=quality of life; SAH=subarachnoid hemorrhage

Supplemental Table III. Summary of reasons for aneurysm risk factors as described by PREMIER treating physicians

Risk factors	n (%) (N=141)
<i>Patient Risk Factors</i>	
Patient preference to be treated	89 (63.1)
Hypertension	72 (51.1)
Current cigarette smoking	41 (29.1)
Age	36 (25.5)
Familial history of aneurysm or SAH	35 (24.8)
Reduced QOL due to fear of rupture	31 (22.0)
History of SAH	14 (9.9)
<i>Aneurysm Risk Factors</i>	
Aneurysm multiplicity	53 (37.6)
Aneurysm location	41 (29.1)
Aneurysm irregularity or lobulation	38 (27.0)
Aneurysm size	20 (14.2)
Aneurysm growth on serial imaging	16 (11.3)

QOL=Quality of life; SAH=subarachnoid hemorrhage