



# PHASES score

( Lancet Neurol 2014 ) = % hemorrhage at 5 years



SLICE  
next frontiers

## Population

North America / Europe	0
Japan	3
Finland	5

## Hypertension

Yes = 1

## Age

< 70 years	0
> 70 years	1

## Size

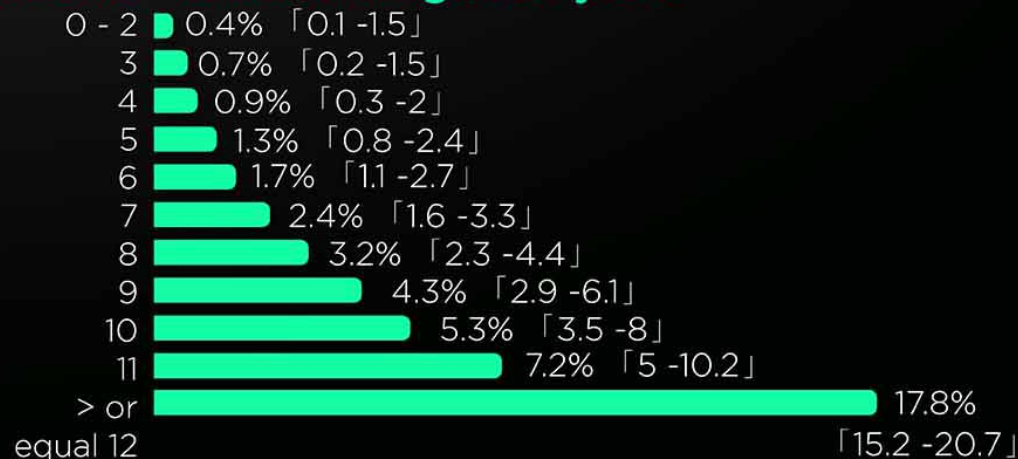
< or equal 7mm	0
7 - 9.9 mm	3
10 - 19.9 mm	6
> or equal 20 mm	10

Earlier SAH from other aneurysm Yes = 1

## Site of Aneurysm

ICA	0
MCA	2
ACA / Pcom / Post	4

## SCORE % hemorrhage at 5 years



## Patient

Age (Single)	
< 40 years	4
40-60 years	3
61-70 years	2
70-80 years	1
> 80 years	0

Risk factor incidence (multiple)	
Previous SAH from an different aneurysm	4
Familial intracranial aneurysm or SHA	3
Japanese, Finnish, Inuit ethnicity	2
Current cigarette smoking	3
Hypertension (systolic BP > 140mm Hg)	2
Autosomal-polycystic kidney disease	2
Current drug abuse (cocaine, amphetamine)	2
Current alcohol abuse	1

## Clinical Symptoms related to UIA (multiple)

Cranial nerve deficit	4
Clinical or radiological mass effect	4
Thromboembolic events from the aneurysm	3
Epilepsy	1

## Other (multiple)

Reduced quality of life due to fear of reupture	2
Aneurysm multiplicity	1

## Life expectancy due to chronic and/or malignant Diseases (Single)

< 5 years	4
5 - 10 years	3
> 10 years	1

## Comorbid disease (multiple)

Neurocognitive disorder	3
Coagulopathies, thrombophilic diseases	2
Psychiatric disorder	2

## Aneurysm

Maximum diameter (Single)	
≤ 3.9 mm	0
4.0 - 6.9 mm	1
7.0 - 12.9 mm	2
13.0 - 24.9 mm	3
≥ 25 mm	4

## Morphology (multiple)

Irregularity or lobulation	3
Size ration > 3 or aspect ratio>1.6	1

## Location (Single)

BasA bifurcation	5
Vertebra/basilar artery	4
AcomA or PcomA	2

## Other (multiple)

Aneurysm growth on serial imaging	4
Aneurysm de novo formation on serial imaging	3
Contralateral stenooclusive vessel disease	1

## Treatment

Age-related risk (Single)	
< 40 years	0
41-60 years	1
61-70 years	3
71-80 years	4
> 80 years	5

## Aneurysm size-related risk (Single)

< 6.0mm	0
6.0 - 10.0 mm	1
10.1 - 20.0 mm	3
> 20 mm	5

## Aneurysm complexity-related risk

High	3
Low	0

## Intervention-related risk

Constant*	5
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Favors UIA Repair



Favors UIA conservative management