

NCEPOD Managing the flow? A review of care received by patients diagnosed with aneurysmal SAH:
 Organisational data: hospital with on-site SNC (tertiary care)

Hospital ID number	Q29a: Policy for Accepting Patients	Q29b: If NO, who makes decision	Q29b: Other
1109	Yes	-	-
1415	Yes	-	-
1603	No	On-call Neurosurgeon	-
1973	Yes	-	-
2155	No	Neurosurgical Registrar/on-call neurosurgeon	-
2211	No	On-call Neurosurgeon	-
2279	No	On-call Neurosurgeon	-
2353	Yes	-	-
3425	No	On-call Neurosurgeon	-
4053	No	Neurosurgical Registrar/on-call neurosurgeon	-
4123	No	On-call Neurosurgeon	-
4858	Yes	-	-
4985	No	On-call Neurosurgeon	-
6408	Yes	-	-
6594	Yes	-	-
6628	No	On-call Neurosurgeon	-
6685	No	On-call Neurosurgeon	-
6774	Yes	-	-
6833	No	On-call Neurosurgeon	-
6987	No	On-call Neurosurgeon/ other	All cases discussed with consultant
8098	Unknown	On-call Neurosurgeon	-
8339	Yes	-	-
8590	No	Neurosurgical Registrar/on-call neurosurgeon	-
9019	No	Neurosurgical Registrar/on-call neurosurgeon/other	Neurovascular team
9492	No	On-call Neurosurgeon	-
9795	No	Neurosurgical Registrar/on-call neurosurgeon	-
9881	No	On-call Neurosurgeon	-

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Hospital ID number	Q30a: What factors detrmine acceptance (see key)	Q30a: Other	Q31a: Records Kept of patients referred but not accepted
1109	ABCDEFGHGI	-	Yes
1415	ABCDEFGFG	-	Yes
1603	ABCDEFGHGIK	Hydrocephalus/dilemma in diagnosis	No
1973	ABCDEFGFG	-	No
2155	ABCDEFGHGI	-	Yes
2211	ABCDEFGFGH	-	No
2279	ABCDFG	-	Yes
2353	ABCFGH	-	Yes
3425	ABCDEFGFGH	-	Yes
4053	BCDEFGHI	-	Yes
4123	ABCDEHI	-	No
4858	ABCDEFGFGH	-	Yes
4985	ABCDEF	-	Yes
6408	CFGH	-	No
6594	ABCDEFGHGI	-	Yes
6628	ABC FH	-	Yes
6685	ABCDEFGHGI	-	Yes
6774	ABC FG	-	Yes
6833	ABEFGH	-	Yes
6987	DF	-	Yes
8098	ABCDEFGFGH	-	Yes
8339	BDEH	-	Yes
8590	ABCDEF G	-	Yes
9019	ABCDEF G	-	Yes
9492	AK	Unlikely to survive irrespective of treatment	Yes
9795	BCDEFGH	-	No
9881	ABCDEF G	-	Yes

Key to Q30a
A= Age
B= Neurological grade of SAH
C= Comorbidities
D= Conscious state
E= Suitability of underlying cause of SAH for intervention
F= Pre-morbid independence
G= Pre-morbid cognitive function
H= Availability of beds
I= Availability of staff
J= Unknown
K= Other

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Hospital ID number	Q32: Written Protocol for pre-op management of SAH Pts	Q32a: If YES, does it include the Level of care required	Q32b: If YES, what level of care first admitted	32c: Does the protocol include type of further investigation	Q32d: If YES, which types of investigation included? (see key)	Q32d: Other
1109	No	Yes	Level 2	Yes	BCD	-
1415	No	-	Level 2	Yes	CD	-
1603	Yes	No	Not answered	Yes	BCDEF	Draft protocol for Mx by NS consultant
1973	No	-	-	-	-	-
2155	No	-	-	-	-	-
2211	Not answered	-	-	-	-	-
2279	Yes	No	Not answered	No	ABCDE	Not answered
2353	No	-	-	-	-	-
3425	Yes	No	Not answered	No	Not answered	Not answered
4053	Yes	No	Not answered	Not answered	Not answered	Not answered
4123	No	-	-	-	-	-
4858	No	-	-	-	-	-
4985	No	-	-	-	-	-
6408	Yes	Yes	Level 1/0	Yes	BCDE	Not answered
6594	No	-	-	-	-	-
6628	No	Yes	Level 2	Yes	BCD	-
6685	No	-	-	-	-	-
6774	Yes	Yes	Level 2	Yes	BCD	-
6833	No	-	-	-	-	-
6987	Yes	Yes	Level 2	Yes	BC	Not answered
8098	No	-	-	-	-	-
8339	Yes	Yes	Level 1/0	Yes	BC	Not answered
8590	No	-	-	-	-	-
9019	No	-	-	-	-	-
9492	No	-	-	-	-	-
9795	Yes	Yes	Level 1/0	Yes	BCD	Not answered
9881	Not answered	-	-	-	-	-

Key to Q32d: A= MRI, B= CT, C= CTA, D= DSA, E= MRA, F= Other

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Hospital ID number	Q32e: Does the protocol include routine adjunct therapy	Q32f: If YES, which adjunct therapy included? (see key)	Q32f: Other	Q32g: Does the protocol include monitoring techniques to be used?	Q32h: If YES, which monitoring techniques are included? (see key)	Q32h: Other
1109	Yes	AE	If as part of trial or in selected cases	Yes	AC	-
1415	-	AD	-	Yes	ABD	-
1603	Yes	AE	Triple H	Yes	ABCDE	ICP bolt
1973	-	-	-	-	-	-
2155	Yes	A	-	Yes	ABD	-
2211	-	-	-	-	-	-
2279	Yes	A	Not answered	No	-	-
2353	-	-	-	-	-	-
3425	Yes	ACD	Not answered	No	-	-
4053	Not answered	Not answered	Not answered	Not answered	-	-
4123	-	-	-	-	-	-
4858	-	-	-	-	-	-
4985	-	-	-	-	-	-
6408	Yes	AE	Mg to correct to normal levels	Yes	ABDE	CVP + IVP for ventilated patients
6594	-	-	-	-	-	-
6628	Yes	AE	STASH trial	Yes	ABDE	L/Y In poor grade sah
6685	Yes	A	-	No	-	-
6774	Yes	AE	Intravenous Isotonic Fluid	Yes	ABD	-
6833	-	-	-	-	-	-
6987	Yes	ACE	anticonvulsants for large temporal haematoma	Yes	ABDE	Serial CVP
8098	-	-	-	-	-	-
8339	Yes	AC	Not answered	Yes	ABD	-
8590	-	-	-	-	-	-
9019	-	-	-	-	-	-
9492	-	-	-	-	-	-
9795	Yes	A	Not answered	Yes	A	-
9881	-	-	-	-	-	-
Key to Q32f: A= Nimodipine, B= Antifibrinolytics, C= Anticonvulsants, D= Statins, E= Other			Key to Q32h: A= Pulse oximetry, B= CVP, C= Trans-cranial doppler, D= Intra-arterial bp, E= Other monitoring technique			

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Hospital ID number	Q33: Mx of SAH Pts normally discussed at MDT?	Q34a: Guidelines for appropriate intervention	Q34c: If NO, what criteria determines method? (see key)	34c: Other
1109	Yes	No	BCG	-
1415	Yes	No	B	-
1603	Yes	No	BCDFH	Patient choice
1973	No	No	ABFH	Intracranial Haematoma
2155	Yes	No	H	All get endovascular treatment
2211	Yes	No	ABF	-
2279	Yes	No	ABCFG	-
2353	Yes	No	ABCF	-
3425	Yes	No	ABCDG	-
4053	Yes	No	BFH	Time of admission. no on call service for coiling at weekends.
4123	No	No	B	-
4858	Not answered	Not answered	Not answered	-
4985	Not answered	No	BCFG	-
6408	Yes	No	BF	-
6594	No	No	ABF	-
6628	Yes	No	ABC	-
6685	No	No	ABCDF	-
6774	Yes	No	BF	-
6833	Yes	No	BF	-
6987	Yes	Yes	BF	-
8098	Not answered	Not answered	Not answered	-
8339	Yes	Yes	ABCF	-
8590	Yes	No	ABF	-
9019	Yes	No	ABFH	Aneurysm Morphology
9492	Yes	No	AB	-
9795	Yes	Yes	BCF	-
9881	Not answered	No	ABCF	-

Key to Q34c
A= Age
B= Neurovascular anatomy
C= Availability of Int Neuroradiologist
D= Availability of Neurosurgeon
E= Availability of equipment
F= Vascular access
G= Availability of nursing staff
H= Other

NCEPOD Managing the flow? A review of care received by patients diagnosed with aneurysmal SAH:
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Hospital ID number	Q36a frequency of MDT Meetings	Q36a: Other	Q36b: Who attends? (see key)	36b_Other
1109	Daily/ weekly	Also weekly (formal)	ABCD	Specialist nurse/coordinator
1415	Weekly	-	ABD	Neuro registrar
1603	Monthly	-	AB	-
1973	Weekly/other	All cases for Tx are d/w NS/NR as needed	ABD	Specialist nurse
2155	Daily	-	ABD	Critical care
2211	Weekly	-	ABC	-
2279	Weekly	-	AB	-
2353	Weekly	-	ABC	-
3425	Weekly	-	AB	-
4053	Weekly	-	ABD	CNS, Trainee
4123	Unknown	-	-	-
4858	Weekly	-	AB	-
4985	Weekly	-	AB	-
6408	Daily	-	AB	-
6594	Weekly	-	ABC	-
6628	Weekly	-	ABD	Vascular nurse specialist
6685	Weekly	-	AB	-
6774	Weekly	-	ABCD	Specialist Vascular Nurse
6833	Weekly	-	AB	-
6987	Weekly	-	ABD	At least 2 of each
8098	Fortnightly	-	AB	-
8339	Weekly	-	AB	-
8590	Weekly	-	AB	-
9019	Weekly	-	ABC	-
9492	Weekly	-	ABC	-
9795	Weekly	-	ABD	Specialist nurse
9881	Daily/other	Daily discussion: Coil unless INR has doubt	B	-

Key to Q36b
A= Consultant neurosurgeon
B= Consultant Interventional Neuroradiologist
C= Consultant Neurologist
D= Other

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Hospital ID number	Q37: Number of Level 3 Beds allocated to SNC	Q38: Number of Level 2 Beds allocated to SNC	Q39: Number of operating sessions/ week allocated to SNC
1109	6	10	10
1415	Not answered	Not answered	20
1603	0	0	24
1973	7	6	30
2155	16	4	9
2211	6	16	41
2279	0	0	22
2353	22	8	40
3425	14	8	26
4053	9	5	20
4123	Not answered	16	15
4858	Not answered	Not answered	Not answered
4985	Not answered	8	20
6408	13	Not answered	6
6594	6	4	12
6628	4	2	9
6685	8	8	36
6774	6	16	38
6833	16	4	24
6987	8	3	24
8098	9	6	30
8339	Not answered	Not answered	22
8590	15	10	40
9019	Not answered	8	40
9492	5	5	18
9795	Not answered	Not answered	Not answered
9881	6	6	15

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Hospital ID number	Q40: Availability Neurosurgeon	Q40: Availability Neuro-radiologist	Q40: Availability Neuro-Anaesthetist	Q40: Availability Intensivist	Q40: Availability Neurologist	Q40: Availability Theatre Staff	Q40: Availability Neuro-surgical Reg	Q40: Availability Neurology Reg	Q40: Availability Nursing Staff	Q40: Availability Recovery Unit	Q40: Availability Ward Staff
1109	A	C	A	A	A	A	A	A	A	C	A
1415	A	C	C	A	A	C	A	A	A	A	A
1603	A	B	B	A	A	A	A	B	A	A	A
1973	A	C	A	A	A	A	A	A	A	A	A
2155	A	A	A	A	C	A	A	A	A	A	A
2211	A	C	A	A	A	A	A	A	A	A	A
2279	A	A	A	A	A	A	A	A	A	A	A
2353	A	B	A	A	A	A	A	A	A	A	A
3425	A	C	A	A	C	A	A	A	A	A	A
4053	A	C	A	A	A	A	A	A	A	C	A
4123	A	A	A	A	A	A	A	A	A	A	A
4858	A	A	A	A	A	A	A	A	A	A	A
4985	A	C	A	A	A	A	A	A	A	A	A
6408	A	B	A	A	A	A	A	A	A	A	A
6594	A	C	C	A	A	A	A	A	A	A	A
6628	B	B	A	A	C	A	A	A	A	A	A
6685	A	A	C	A	A	A	A	A	A	A	A
6774	A	A	A	A	A	A	A	A	A	A	A
6833	A	B	C	A	A	A	A	A	A	A	A
6987	A	B	A	A	A	A	A	A	A	A	A
8098	A	C	A	A	A	A	A	A	A	A	A
8339	A	A	A	A	A	A	A	A	A	Not answered	A
8590	A	A	A	A	A	A	A	A	A	A	A
9019	A	C	A	A	A	A	A	A	A	A	A
9492	A	B	A	A	A	B	A	A	A	C	A
9795	A	A	C	A	A	A	A	A	A	A	A
9881	A	A	A	A	Not answered	A	A	Not answered	A	A	A

Key to Q40: A= 27 hours/day, 7 days/week; B= 24 hours/day Monday-Friday; C= Daytime hours, Monday-Friday; D= More limited hours

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Hospital ID number	Q41: Following surgery which level of care?	Q41b: Following endo-vascular treatment	Q41c: Written portocols for post-op management?	Q41a: Protocol to identify Ischaemia	Q41b: Protocol to identify ReBleeding	Q41c: Protocol to identify hydrocephalus
1109	Level 2	Level 2	No	No	No	No
1415	Level 2	Level 2	Yes	No	No	No
1603	Level 3	Level 3	Yes	Yes	No	No
1973	Level 2	Level 2	Yes	Yes	Yes	Yes
2155	Level 2	Level 2	No	No	No	No
2211	Level 2	Level 2	No	No	No	No
2279	Level 1	Level 1	No	No	No	No
2353	Level 1	Level 1	No	No	No	No
3425	Level 3	Level 3	No	No	No	No
4053	Level 2	Level 2	Yes	No	No	No
4123	Level 2	Level 2	No	No	No	No
4858	Level 3	Level 3	Yes	Yes	Yes	Yes
4985	Level 2	Level 2	Unknown	Unknown	Unknown	Unknown
6408	Level 2	Level 2	Yes	Yes	Yes	Yes
6594	Level 2	Level 2	No	No	No	No
6628	Level 2	Level 2	No	No	No	No
6685	Levels 1-3	ABCD	Unknown	Unknown	No	Unknown
6774	Level 2	Level 2	Yes	Yes	Yes	Yes
6833	Level 2	Level 3	No	No	No	No
6987	Level 3	Level 3	Yes	No	No	No
8098	Level 3	Level 2	Unknown	Unknown	Unknown	Unknown
8339	Level 1	Not answered	Yes	Yes	Yes	Yes
8590	Level 2	Level 2	Yes	Yes	Yes	Yes
9019	Level 2	Level 2	No	No	No	No
9492	Level 2	Level 2	No	No	No	No
9795	Level 1	Level 1	Yes	Yes	Yes	Yes
9881	Level 2	Level 2	Yes	No	Unknown	Unknown

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Hospital ID number	Q42: Routine post-op investigations (see key)	Q42: Other
1109	ABCE	MRA
1415	A	Not answered
1603	ABCE	MRA
1973	DE	Only if indicated. Coiled patients followed with MRA in six minutes.
2155	E	Not answered
2211	A	Not answered
2279	BE	MRA after coiling, DSA after clipping
2353	A	Not answered
3425	AC	Not answered
4053	BE	MRA/CTA
4123	AC	Not answered
4858	E	Not answered
4985	A	Not answered
6408	E	Not answered
6594	AE	MRI Angiogram
6628	ABC	Not answered
6685	DE	Depends on condition of the patient, post-op / scan as outpatient
6774	A	Not answered
6833	ABCE	MRA
6987	DE	Coiling- MRI at 6 & 24 months
8098	ABC	Not answered
8339	ABE	DSA is done only if there is doubt re: clip position or success of coiling
8590	E	As required, MRA for surveillance post coiling
9019	AC	Not answered
9492	D	Not answered
9795	D	Not answered
9881	Not answered	Not answered

Key to Q42
A= CT scan
B= DSA
C= CTA
D= None
E= Other

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Hospital ID number	Q43: Routine post-Op Monitoring (see key)	Q43: Other	Q44: Following treatment, return to referring hospital?
1109	ABCDHI	-	Yes
1415	ABHI	-	No
1603	ABCDGH	DW-MRI/CT-perfusion/CTA/MRA/DSA	Yes
1973	ADHI	-	Yes
2155	ABHI	-	Yes
2211	ABHI	-	No
2279	AHI	-	Yes
2353	ACH	-	No
3425	ADEFI	-	Yes
4053	ABCEHI	-	Yes
4123	ABHI	-	Yes
4858	ABCHI	-	Yes
4985	ABHI	-	No
6408	AGH	-	No
6594	AI	-	Yes
6628	ABCEH	-	Yes
6685	ABCDEFHI	-	Yes
6774	ABHI	-	Yes
6833	ABHI	-	Yes
6987	AH	-	No
8098	ABCDHI	-	Yes
8339	ABGHI	Non invasive bp if Pt in step-down (level 2) ward	No
8590	ADHI	-	Unknown
9019	AH	-	No
9492	AH	-	No
9795	AI	-	Yes
9881	ABHI	-	Yes

Key to Q43
A= Pulse oximetry
B= CVP measurement
C= ICP
D= Transcranial doppler
E= Cardiac output
F= CFM/EEG
G= Other
H= Intra-arterial BP
I= Non-invasive BP

Key to Q45b (on next page)
A= Physiotherapy
B= Occupational Therapy
C= Specialist Rehabilitation Service
D= Other
E= Neuropsychology
F= Specialist Rehabilitation Consultant

Key to Q46 (on next page)
A= Hospital at home
B= Case worker
C/G= Physiotherapy
D/H= Occupational Therapy
E= None listed
F= Specialist Nurse
I= Other
J= Psychology/ Neuropsychology
K= Physiotherapy (domicillary)
L= OT (domicillary)

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Hospital ID number	Q45: Specialist Rehabilitation available at this SNC	Q45b: If YES, including:	Q45b: Other	Q46: Support available post-discharge	Q46: Other
1109	Yes	ABCDEF	Please note: extremely limited availability	FI	Neurovascular follow-up clinic (twice/month)
1415	Yes	ABCEF	-	CDFGHJ	-
1603	Yes	ABCF	-	ABCDFGHJKL	-
1973	Yes	ABF	-	ABCDFGHKL	-
2155	Yes	ABCEF	-	I	Primary care facilities
2211	Yes	ABCEF	-	AGHJL	-
2279	Yes	ABEF	-	GHJKL	-
2353	No	-	-	F	-
3425	Yes	ABCEF	-	CDFGHJKL	-
4053	Yes	ABCEF	-	CDFGHJ	-
4123	No	-	-	GHKL	-
4858	Yes	ABEF	-	ACDGHJKL	-
4985	Yes	ABCEF	-	H	-
6408	Yes	ABEF	-	J	-
6594	No	-	-	CDGHJ	-
6628	No	-	-	GHJ	-
6685	Yes	ABCEF	-	GH	-
6774	Yes	ABCEF	-	FGHJ	-
6833	Yes	AB	-	GHI	Brain injury clinics (run by neurologist)
6987	Yes	ABCEF	-	ABCDFGHJKL	-
8098	Yes	ABCEF	-	FGHJKL	-
8339	Yes	ABCEF	-	GH	-
8590	Yes	ABCEF	-	CDFGHJKL	-
9019	Yes	ABCDEF	SAH Specialist nurse	BCDFGHJKL	-
9492	Yes	ABCEF	-	J	-
9795	No	-	-	CDFH	-
9881	No	-	-	GH	-