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Skull Base Gui	delines - Malignant S	kull	1.1		
Base Tumours	J		STATUS:		
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SCOPE:			CLASSIFICATION:		
Trust Wide			Departmental		
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REPLACES:			HEAD OF DEPARTMENT:		
N/a			Arnab Bhowmick		
VALIDATED BY	/•		DATE:		
Division of Sur	-		06 March 2018		
RATIFIED BY:	gory		DATE:		
	cuments Ratification	Group	06 March 2018		
	es may alter if any significant		REVIEW DATE:		
changes are made).			Click here to enter a date.		
WHICH PRINCIPLES OF THE NHS		Tick	WHICH STAFF PLEDGES O	FTHE	Tick
CONSTITUTION APPLY?		those which	AULO CONOTITUTION APPLIA		those which
Click here for guidance on Principles		apply	Click here for guidance on Pledges	•	apply
1. The NHS provides a comprehensive service, available to all.			1. Provide a positive working environme and to promote supportive, open culture		
· · · · · · · · · · · · · · · · · · ·	vices is based on clinical	\checkmark	staff do their job to the best of their ability		
need, not an individua		,	2. Provide all staff with clear roles and		1
3.The NHS aspires to excellent and profess	the highest standards of	V	responsibilities and rewarding jobs for to individuals that make a difference to pat		\checkmark
	at the heart of everything the		families and carers and communities.	ients, their	
NHS does.			3. Provide all staff with personal develop		
5. The NHS works across organisational boundaries.		1	access to appropriate education and tra their jobs, and line management suppor		
<u> </u>			them to fulfil their potential.	LIO GHADIE	
for taxpayers' money.			4. Provide support and opportunities for		
7. The NHS is accountable to the public, communities and patients that it serves.			maintain their health, wellbeing and safe 5. Engage staff in decisions that affect the		
communices and pau	ems mat it serves.		services they provide, individually, throu		
			representative organisations and throug	h local	J
			partnership working arrangements. All	staff will be	
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		empowered to put forward ways to deliver better	
		and safer services for patients and their families.	
		6. To have a process for staff to raise an internal	
		grievance.	
		7. Encourage and support all staff in raising	
		concerns at the earliest reasonable opportunity	
		about safety, malpractice or wrongdoing at work,	
		responding to and, where necessary, investigating	
		the concerns raised and acting consistently with the	
		Employment Rights Act 1996.	
		Employment Rights Act 1990.	
WHICH AIMS OF THE TRUST	<u>Tick</u>	WHICH AMBITIONS OF THE TRUST	<u>Tick</u>
APPLY?	those	APPLY?	those
	<u>which</u>		which .
Click here for Aims	<u>apply</u>	Click here for Ambitions	<u>apply</u>
	1		1
To offer excellent health care and treatment to	<u>√</u>	Consistently deliver excellent care.	<u>√</u>
our local communities.		2. Great place to work.	
2. To provide a range of the highest standard of	$\sqrt{}$	3. Deliver value for money.	\checkmark
specialised services to patients in Lancashire and		4. Fit for the future.	
South Cumbria.			
3. To drive innovation through world-class			
education, teaching and research.			
i education teaching and research	1	1	1

Does this document meet the requirements of the Equality Act 2010 in relation to Race, Religion and Belief, Age, Disability, Gender, Sexual Orientation, Gender Identity, Pregnancy & Maternity, Marriage and Civil Partnership, Carers, Human Rights and Social Economic Deprivation discrimination? **Yes**

Document for Public Display: No

Has an evidence search been completed? N/a

If so, by whom? Click here to enter text.

Date evidence search conducted: Click here to enter a date.

AMENDMENT H	AMENDMENT HISTORY				
Version No.	Date of Issue	Page/Selection Changed	Description of Change	Review Date	
1	19/03/2018	1	Division changed to Surgery from Medical and Head of Department change from David Shakespeare to Arnab Bhowmick. Validated by changed to Division of Surgery.	March 2021	

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Management Guidelines: Malignant Skull Base Tumours

All patients require CT and MR imaging of the head as well staging CT scans of the chest, abdomen and pelvis.

All patients require biopsy (usually endoscopic).

Pre-operative endocrinology &/or ophthalmology assessment is acquired when appropriate.

An assessment of co-morbidities is required prior to proceeding with skull base resection.

In general, brain invasion by a malignant tumour is a contraindication to skull base resection as are systemic metastases and age above 75 years. Extent of resection is determined on an individual basis by MRI scanning within 24 hours of surgery and radiotherapy is recommended unless free resection margins are attained.

These patients are generally followed up by the anterior skull base ENT surgeons.

Anterior Skull Base Malignancies

Approaches depend upon tumour location, e.g.

- > Endoscope-Assisted Anterior Cranial Fossa Resection for tumours involving the ethmoids/ nasopharyngeal roof/ anterior sphenoid.
- > Temporal Fossa/Infratemporal Fossa Approaches for tumours involving these regions.
- > Orbital Exenteration for tumours involving the orbit.

Cranial compartment closure is usually achieved using pedicled pericranium or mobilised temporalis and human fibrin glue.

The appropriate skull base resection is combined with the H&N procedure relevant to the pathology, e.g. neck dissection, maxillectomy, parotidectomy. Neck dissection is generally delayed until a second stage.

Lateral Skull Base Malignancies

Temporal bone squamous cell carcinomas undergo tracheostomy/ parotidectomy/ neck dissection (if appropriate) followed by neuronavigation-assisted petrosectomy a few days later.

Cranial compartment closure is achieved using pedicled pericranium and either mobilised temporalis or rectus abdominis free flap depending on the size of the defect.

Patients subsequently require CSF and wound drainage.

Specific Skull Base Rehabilitation Issues

- > Surgical Defect orbitofacial/ ear/ palatal prostheses.
- > Facial Palsies lubricants, eyelid gold weights, static oral sling.

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Equality, Diversity & Inclusion Impact Assessment Form

Department/Function	Neurosurgery			
Lead Assessor	Interim Director of Gov	ernan	ce	
What is being assessed?	Introduction of SOP an	d Gui	delines	
Date of assessment				
	Equality of Access to Health Group		Staff Side Colleagues	
What groups have you consulted with? Include	Service Users		Staff Inclusion Network/s	
details of involvement in the Equality Impact	Personal Fair Diverse Champions		Other (Inc. external orgs)	
Assessment process.	Please give details: Skul an external assessment t		d Peer review is managed	d by

1) What is the impact on the following equality groups?					
Positive: Advance Equality of opportunity Foster good relations between different groups Address explicit needs of Equality target groups		Negative: > Unlawful discrimination, harassment and victimisation > Failure to address explicit needs of Equality target groups Neutral: > It is quite acceptable for the assessment to come out as Neutral Impact. > Be sure you can justify this decision with clear reasons and evidence if you are challenged			
Equality Groups	Impact (Positive / Negative / Neutral)	Comments: ➤ Provide brief description of the positive / negative impact identified benefits to the equality group. ➤ Is any impact identified intended or legal?			
Race (All ethnic groups)	Neutral				
Disability (Including physical and mental impairments)	Neutral				
Sex	Neutral				
Gender reassignment	Neutral				
Religion or Belief (includes non- belief)	Neutral				
Sexual orientation	Neutral				

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Age	Neutral			
Marriage and Civil Partnership	Neutral			
Pregnancy and maternity	Neutral			
Other (e.g. caring, human rights, social)	Neutral			
impact identified contribute to or promoting equa	impact identified contribute to or hinder promoting equality and diversity across the			
0.9303				
 If your assessment identifies a negative impact on Equality Groups you must develop an action plan to avoid discrimination and ensure opportunities for promoting equality diversity and inclusion are maximised. This should include where it has been identified that further work will be undertaken to further explore the impact on equality groups This should be reviewed annually. 				
ACTION PLAN SUMMARY				
Action			Lead	Timescale
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