



DOCUMENT TYPE: Guideline		UNIQUE IDENTIFIER: CM 03/2018 - 04	
DOCUMENT TITLE: Skull Base Guidelines – Chordomas / Chondrosarcomas		VERSION NUMBER: 1.1	
SCOPE: Trust Wide		STATUS: Draft	
CLASSIFICATION: Departmental		DEPARTMENT: Neurosurgery	
AUTHOR: Gareth Roberts	JOB TITLE: Consultant Neurosurgery	DIVISION: Surgery	
REPLACES: N/a		HEAD OF DEPARTMENT: Arnab Bhowmick	
VALIDATED BY: Division of Surgery		DATE: 06 March 2018	
RATIFIED BY: Procedural Documents Ratification Group		DATE: 06 March 2018	
(NOTE: Review dates may alter if any significant changes are made).		REVIEW DATE: Click here to enter a date.	
WHICH PRINCIPLES OF THE NHS CONSTITUTION APPLY? Click here for guidance on Principles		WHICH STAFF PLEDGES OF THE NHS CONSTITUTION APPLY? Click here for guidance on Pledges	
<ol style="list-style-type: none"> The NHS provides a comprehensive service, available to all. Access to NHS services is based on clinical need, not an individual's ability to pay. The NHS aspires to the highest standards of excellent and professionalism. The patient will be at the heart of everything the NHS does. The NHS works across organisational boundaries. The NHS is committed to providing best value for taxpayers' money. The NHS is accountable to the public, communities and patients that it serves. 	<p>Tick those which apply</p> <p><input type="checkbox"/></p> <p><input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input checked="" type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>	<ol style="list-style-type: none"> Provide a positive working environment for staff and to promote supportive, open cultures that help staff do their job to the best of their ability. Provide all staff with clear roles and responsibilities and rewarding jobs for teams and individuals that make a difference to patients, their families and carers and communities. Provide all staff with personal development, access to appropriate education and training for their jobs, and line management support to enable them to fulfil their potential. Provide support and opportunities for staff to maintain their health, wellbeing and safety. Engage staff in decisions that affect them and the services they provide, individually, through representative organisations and through local partnership working arrangements. All staff will be 	<p>Tick those which apply</p> <p><input type="checkbox"/></p> <p><input checked="" type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>

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		<p><u>empowered to put forward ways to deliver better and safer services for patients and their families.</u></p> <p><u>6. To have a process for staff to raise an internal grievance.</u></p> <p><u>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.</u></p>	<input type="checkbox"/> <input type="checkbox"/>
<p>WHICH AIMS OF THE TRUST APPLY? Click here for Aims</p> <p>1. To offer excellent health care and treatment to our local communities. 2. To provide a range of the highest standard of specialised services to patients in Lancashire and South Cumbria. 3. To drive innovation through world-class education, teaching and research.</p>	<p>Tick those which apply</p> <p>√ √ <input type="checkbox"/></p>	<p>WHICH AMBITIONS OF THE TRUST APPLY? Click here for Ambitions</p> <p>1. Consistently deliver excellent care. 2. Great place to work. 3. Deliver value for money. 4. Fit for the future.</p>	<p>Tick those which apply</p> <p>√ <input type="checkbox"/> √ √</p>

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 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: Chordomas/ Chondrosarcomas*

Tumours that are accessible via transnasal endoscopy are generally biopsied. Pre-operative endocrinology &/or ophthalmology assessment is acquired when appropriate.

Chordomas

Maximum safe resection is the goal, generally via a transnasal endoscopy procedure. Some tumour remnants evident on MRI within 24 hours of surgery may require an additional transcranial approach to achieve 3 mm clearance of the brainstem and 5 mm clearance of the optic chiasm, as per the NHSE Proton Overseas Programme guidelines.

Residual gross tumour volume (after obtaining clearance from brainstem/ chiasm) is treated with high-dose proton therapy. It is noted that a tumour volume of greater than 25 ml has been found to respond less well.

Chondrosarcomas

Maximum safe resection is a desirable goal, generally via a transnasal endoscopic procedure. Some tumour remnants evident on MRI within 24 hours of surgery may require an additional transcranial approach to achieve 3 mm clearance of the brainstem and 5 mm clearance of the optic chiasm, as per the NHSE Proton Overseas Programme guidelines.

Residual gross tumour volume (after obtaining clearance of the brainstem/ chiasm) is treated with high-dose proton therapy.

Specific Skull Base Rehabilitation Issues

- **Extraocular Palsies** – prisms, squint surgery.
- **Facial Palsies** – lubricants, eyelid gold weights, static oral sling, cross-facial nerve graft.
- **Lower Cranial Nerve Palsies** – SALT assessment, PEG, tracheostomy, vocal cord injection.

* *NHS England Proton Overseas Programme Chordoma and Chondrosarcoma Pathway – Surgery, High Dose Radiotherapy & Proton Beam Therapy (NHSE, SBNS, BSBS).*

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Equality, Diversity & Inclusion Impact Assessment Form

Department/Function	Neurosurgery			
Lead Assessor	Interim Director of Governance			
What is being assessed?	Introduction of SOP and Guidelines			
Date of assessment				
What groups have you consulted with? Include details of involvement in the Equality Impact Assessment process.	Equality of Access to Health Group	<input type="checkbox"/>	Staff Side Colleagues	<input type="checkbox"/>
	Service Users	<input type="checkbox"/>	Staff Inclusion Network/s	<input type="checkbox"/>
	Personal Fair Diverse Champions	<input type="checkbox"/>	Other (Inc. external orgs)	<input type="checkbox"/>
	Please give details: Skull based Peer review is managed by an external assessment team.			

1) What is the impact on the following equality groups?		
Positive:	Negative:	Neutral:
<ul style="list-style-type: none"> ➤ Advance Equality of opportunity ➤ Foster good relations between different groups ➤ Address explicit needs of Equality target groups 	<ul style="list-style-type: none"> ➤ Unlawful discrimination, harassment and victimisation ➤ Failure to address explicit needs of Equality target groups 	<ul style="list-style-type: none"> ➤ 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:
		<ul style="list-style-type: none"> ➤ 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	

2) In what ways does any impact identified contribute to or hinder promoting equality and diversity across the organisation?	
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<p>3) 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.</p> <ul style="list-style-type: none"> ➤ 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.
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ACTION PLAN SUMMARY		
Action	Lead	Timescale

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