A guide to
Histopathology Reporting of Central Nervous System (CNS) Tumours

Clinical details

S1.02	**Pathology accession number**	Text
S1.03	**Principal clinician**	Text
G1.02	Surgeon's name	Text
G1.03	Presenting symptom	Text
G1.04	Clinical history (eg duration of symptoms, previous diagnoses/ biopsy/surgery, previous tumour, family history)	Text
G1.05	Imaging findings	Text
	Contrast enhancement	Absent Present
G1.06	Current and previous treatment (eg corticosteroids, radiotherapy, chemotherapy)	Text
S1.04	**Anatomical site**	See p2
S1.05	**Laterality of tumour**	Right Left Midline Not stated
S1.06	**Specimen type**	See p2
G1.07	Clinical or differential diagnosis	Text

Macroscopic findings

S2.04	**Number of specimens**	___
S2.05	**Specimen description** - for each specimen record:	
	Size (in 3 dimensions)	__x__x__mm
	Weight (very large specimens)	___ g
	Description	Text
	Recognisable anatomical structures	Text
G2.11	Amount of unprocessed tissue	___% or ___g
G2.12	Macroscopic distance between tumour and nearest dural resection margin (where dura is included)	___ mm
G2.13	Additional features of specimen:	
	Colour	Text
	Consistency	Text
	Haemorrhage	No Yes
	Necrosis	No Yes
	Cystic change	No Yes
	Calcification	No Yes
G2.14	Other relevant information and comments	Text

Microscopic findings

G3.01	Microscopic findings	Text
G3.02	Distance between tumour and nearest dural resection margin (where dura is included)	___ mm
S3.01	**Is the specimen diagnostic?**	No Yes
	If, no, provide details	Text
	Artifacts impacting specimen eg crush, autolysis, cautery etc	Text
G3.03	Brain invasion (for meningiomas)	Absent Present
G3.04	Other relevant microscopic comments	Text

Ancillary test findings

S4.01	**For immunohistochemical stains, record**	Each antibody Result Interpretation Clin. significance
G4.01	Molecular pathology testing (eg 1p and 19q, methylation of MGMT promoter)	Text

Synthesis and overview

S5.01	**Histological tumour type**	Text
S5.02	**Histological tumour grade** (refer to page 2)	WHO I WHO II WHO III WHO IV Grading not poss.
	If not possible, specify why	Text
G5.01	Comment on tumour type and grade	Text
G5.02	Diagnostic summary Include: a. Specimen type (S1.06) b. Tumour site and laterality (S1.04 and S1.05) c. Tumour type (S5.01) d. Tumour WHO grade (S5.02)	Text
S5.03	**Overarching comment**	Text

NOTES

S1.04 Anatomical site

Intra-axial:

- **Frontal lobe**
- **Temporal lobe**
- **Parietal lobe**
- **Occipital lobe**
- **Basal ganglia**
- **Cerebellum**
- **Brain stem**
- **Pineal region**
- **Spinal cord**
- **Filum terminale**
- **Cranial nerve**
- **Spinal nerve**
- **Other (specify)**

Extra-axial:

- **Dura**
- **Skull**
- **Pituitary**
- **Other (specify)**

S1.06 Specimen Type

- **Stereotactic biopsy**
- **Endoscopic biopsy**
- **Transphenoidal resection**
- **Resection**
- **Lobectomy**
- **Open biopsy**
- **Other (Specify)**

S5.02 Histological tumour grade

	I	II	III	IV
Astrocytic tumours				
Subependymal giant cell astrocytoma	•			
Pilocytic astrocytoma	•			
Pilomyxoid astrocytoma		•		
Diffuse astrocytoma		•		
Pleomorphic xanthoastrocytoma		•		
Anaplastic astrocytoma			•	
Glioblastoma				•
Giant cell glioblastoma				•
Gliosarcoma				•
Oligodendroglial tumours				
Oligodendroglioma		•		
Anaplastic oligodendroglioma			•	
Oligoastrocytic tumours				
Oligoastrocytoma		•		
Anaplastic oligoastrocytoma			•	
Ependymal tumours				
Subependymoma	•			
Myxopapillary ependymoma	•			
Ependymoma		•		
Anaplastic ependymoma			•	
Choroid plexus tumours				
Choroid plexus papilloma	•			
Atypical choroid plexus papilloma		•		
Choroid plexus carcinoma			•	
Other neuroepithelial tumours				
Angiocentric glioma	•			
Chordoid glioma of the third ventricle		•		
Neuronal and mixed neuronal-glial tumours				
Gangliocytoma	•			
Ganglioglioma	•			
Anaplastic ganglioglioma			•	
Desmoplastic infantile astrocytoma and ganglioglioma	•			
Dysembryoplastic neuroepithelial	•			
Central neurocytoma		•		
Extraventricular neurocytoma		•		
Cerebellar liponeurocytoma		•		
Paraganglioma of the spinal cord	•			
Papillary glioneuronal tumour	•			
Rosette-forming glioneuronal tumour of the fourth ventricle	•			
Pineal tumours				
Pineocytoma	•			
Pineal parenchymal tumour of intermediate differentiation		•	•	
Pineoblastoma				•
Papillary tumour of the pineal region		•	•	
Embryonal tumours				
Medulloblastoma				•
CNS primitive neuroectodermal tumour				•
Atypical teratoid / rhabdoid tumour				•
Tumours of the cranial and paraspinal nerves				
Schwannoma	•			
Neurofibroma	•			
Perineurioma	•	•	•	
Malignant peripheral nerve sheath		•	•	•
Meningeal tumours				
Meningioma	•			
Atypical meningioma		•		
Anaplastic / malignant meningioma			•	
Haemangiopericytoma		•		
Anaplastic haemangiopericytoma			•	
Haemangioblastoma	•			
Tumours of the sellar region				
Craniopharyngioma	•			
Granular cell tumour of the	•			
Pituicytoma	•			
Spindle cell oncocytoma of the adenohypophysis	•			