

Retrorectal tumours – Leeds experience

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Specimen diagnosis	Number
<i>Tail gut cyst</i>	16
<i>Schwannoma</i>	13
<i>Chordoma</i>	9
Mature cystic teratoma /cystic teratoma	4
Epidermoid cyst	3
Ganglioneuroma	3
<i>Liposarcoma</i>	3
GIST	2
Myelolipoma	2
Solitary fibrous tumour	2
<i>Angiomyxoma Aggressive</i>	1
Benign mucin secreting tumour (previous teratoma)	1
Dermoid cyst with extramammary pagets disease	1
<i>Leiomyosarcoma, high grade</i>	1
Lyomyoma Benign	1
<i>Neuroendocrine -Well diff</i>	1
Neurofibroma Benign	1
<i>Pleomorphic rhabdomyosarcoma,</i>	1
TOTAL	65

Tail gut cyst (retrorectal cystic hamatoma), n=16 (~25%)

- 14 females (88%)
- Age range 21-88yrs, median 33yrs; 44% <30yrs and 63% <50yrs
- Two with associated adenocarcinoma
- One recurrent
- Six called right on radiology

TGC



LH07-23648



15

20

25

TGC

- Develops from post anal foetal gut remnants
- Often multicystic
- Can contain a variety of epithelia between cysts or even within the same cyst
- Epithelial types include stratified squamous, transitional, mucinous or ciliated columnar, and cuboidal mucus secreting
- In contrast to enteric duplication cysts, TGCs have disorganized smooth muscle fibres within the wall and do not contain neural plexuses

Schwannoma, n=13 (20%)

- 8 females (62%)
- Age range 27-78yrs, median 44yrs; and 77% <50yrs
- All benign with degenerate changes
- Seven called right on radiology

LH09-14708



LH12-1726



Chordoma, n=9 (14%)

- 6 males (67%)
- Age range 45-77yrs, median 68yrs; 67% >50yrs
- One with sarcomatoid changes (de-differentiated)
- One recurrent with cutaneous metastases
- One with synchronous colonic adenocarcinoma
- Seven (78%) called right on radiology

Chordoma

- rare slow-growing neoplasm, arise from cellular remnants of the notochord
- commonly located cranially at the clivus and in the sacrum at the lower end of the spine
- three histological variants of chordoma:
 - classical (or "conventional"),
 - chondroid and
 - De-differentiated





Other points

Excision	y	51 (78%)
	n	5
	Not stated	9
Pre-op histology	y	20 (31%)
	n	45 (69%)
Radiology	concord	31 (48%)
	no dx	21
	diff dx	13

Summary

- 70% of cases benign and 30% malignant
- TGC, schwannoma and chordoma ~60%
- TGC and schwannoma mostly in young females
- Chordoma mostly in elderly males
- Radiology good at pre-op dx
- Excision complete in most cases