**Appendix D Histopathology reporting proforma for adrenal cortical carcinoma**

Surname………………………Forenames………………….… Date of birth………….....Sex....

Hospital………….……….……Hospital no……………….…....NHS/CHI no……………..

Date of receipt………….…….Date of reporting………..….....Report no……………......

Pathologist……….…………...Surgeon………………….…….

**Clinical information** …………………………………………………………………………………………………

**Operative procedure**

(select all that apply)

* Not specified Adrenalectomy, total/partial Open/laparoscopic
* Biopsy (incisional, excisional) Other, specify …………………………………..

**Macroscopic findings**

**Specimens submitted**

Not specified Adrenal tumour [ Left Right ] Lymph nodes, specify site(s) and laterality

Other (e.g. metastatic site), specify site(s) and laterality ………………………………………………….

**Specimen integrity**

Specimen intact Capsule disrupted Fragmented specimen Cannot be assessed, specify

Maximum tumour dimension (largest tumour) …………..mm. Dimension cannot be assessed

Tumour weight ………g Weight cannot be assessed

**Microscopic findings**

**Histological tumour type**

Adrenal cortical carcinoma (select from options below)

Not otherwise specified (NOS) oncocytic type myxoid type sarcomatoid type

Adrenal cortical neoplasm of uncertain malignant potential

Other, specify ………………………………………………………………  
  
Lipid rich cells: ≤25% >25%  
  
Necrosis: Not identified Present  
  
Nuclear grade: Low (Grade 1 or 2) High (Grade 3 or 4)  
  
Mitotic figures/10 mm2: ………………..  
  
Histological grade: Low grade (≤20 mitoses) High grade (>20 mitoses)   
  
Atypical mitotic figures: Not identified Present  
  
Ki-67 proliferation index: …………% Cannot be assessed, specify ………………….  
  
Capsular invasion: Not identified Present Cannot be assessed, specify …………  
  
Lymphatic invasion: Not identified Present

**Vascular invasion**

Not identified Present (select all that apply below)

Capillary/lymphatics Veins [ Adrenal vein Vena cava Other, specify ……………]

**Extent of invasion**

Cannot be assessed Confined to adrenal gland

Invasion into/through adrenal capsule Invasion into extra-adrenal structures, specify

Invasion into adjacent organs, specify ……………………

**Margin status**

Not involved (R0) Involved (R1, microscopic) Involved (R2, macroscopic)

Location of involved margin(s), specify if possible ………. Cannot be assessed, specify ……………………

Number of lymph nodes examined ………………… Number of involved lymph nodes …………..  
Histologically confirmed distant metastasis (specify site) ……………………..

**Pathological staging (UICC *TNM 8th edition*)**

m – multiple primary tumours r – recurrent y – post-therapy  
  
Primary tumour (pT)

* TX Primary tumour cannot be assessed
* T1 Tumour 5 cm or less in greatest dimension, no extra-adrenal invasion
* T2 Tumour greater than 5 cm, no extra-adrenal invasion
* T3 Tumour of any size with local invasion, but not invading adjacent organs\*
* T4 Tumour of any size with invasion of adjacent organs

\*Adjacent organs include kidney, diaphragm, great vessels (renal vein or vena cava) pancreas, and liver  
  
Regional lymph nodes (pN)

* NX Regional lymph nodes cannot be assessed
* N0 No regional lymph node metastasis
* N1 Metastasis in regional lymph node(s)

**SNOMED topography code**

* May have multiple codes; look up from SNOMED tables

**SNOMED morphology code**

* May have multiple codes; look up from SNOMED tables

Signature …………………… Date………………..…. SNOMED code …………….