# Appendix F Reporting proforma for mesothelioma resection specimens in list format

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| Element name | Values | Implementation notes | COSD v9 |
| Previous treatment (neoadjuvant chemotherapy/radiotherapy) | Single selection value list:   * Yes * No |  |  |
| Laterality | Single selection value list:   * Left * Right * Not stated |  | pCR0820   * Right = R * Left = L * Not stated = 9 |
| Specimen type | Single selection value list:   * Decortication * Radical pleurectomy * Local chest wall/pleural resection * Extrapleuropneumo-nectomy * Debulking |  | pCR0760   * Decortication = EX * Radical pleurectomy = RE * Local chest wall/pleural resection = EX * Extrapleuropneumo-nectomy = RE * Debulking = 99 |
| Submitted material, parietal pleura | Single selection value list:   * Yes * No |  |  |
| Submitted material, diaphragm | Single selection value list:   * Yes * No |  |  |
| Submitted material, lung | Single selection value list:   * Yes * No |  |  |
| Submitted material, mediastinal fat | Single selection value list:   * Yes * No |  |  |
| Submitted material, pericardium | Single selection value list:  Yes  No |  |  |
| Submitted material, peritoneum | Single selection value list:   * Yes * No |  |  |
| Submitted material, contralateral pleura | Single selection value list:   * Yes * No |  |  |
| Submitted material, visceral pleura | Single selection value list:   * Yes * No |  |  |
| Submitted material, endothoracic fascia | Single selection value list:   * Yes * No |  |  |
| Submitted material, endothoracic fascia, details | Free text | Only applicable if ‘Submitted material, endothoracic fascia’ is Yes |  |
| Submitted material, chest wall | Single selection value list:   * Yes * No |  |  |
| Submitted material, rib | Single selection value list:   * Yes * No |  |  |
| Submitted material, rib, details | Free text | Only applicable if ‘Submitted material, rib’ is Yes |  |
| Submitted material, spine | Single selection value list:   * Yes * No |  |  |
| Histological type of mesothelioma | Single selection value list:   * Mesotheliomain situ * Localised mesothelioma * Diffuse mesothelioma |  |  |
| Histologic subtype of mesothelioma | Single selection value list:   * Epithelioid * Biphasic * Sarcomatoid |  |  |
| Grade of mesothelioma | Single selection value list:   * Low * High |  | pCR0860   * Low = G1 * High = G4 |
| Histological variants of mesothelioma | Multiple selection value list:   * Architectural patterns * Tubulopapillary * Trabecular * Adenomatoid * Solid * Micropapillary   Cytological features   * Rhabdoid * Deciduoid * Small cell * Clear cell * Signet ring      * Lymphohistiocytoid * Pleomorphic * Transitional   Stromal features   * Desmoplastic * Myxoid * Heterologous differentiation | Document percentages for architectural patterns |  |
| Tumour size (if localised) | Size in mm |  | pCR0830 |
| D-PAS mucin staining | Single selection value list:   * Positive * Negative |  |  |
| Alcian blue mucin staining | Single selection value list:   * Positive * Negative |  |  |
| Calretinin | Single selection value list:   * Positive * Negative |  |  |
| Cytokeratin 5/6 | Single selection value list:   * Positive * Negative |  |  |
| WT-1 | Single selection value list:   * Positive * Negative |  |  |
| BerEP4 | Single selection value list:   * Positive * Negative |  |  |
| CEA | Single selection value list:   * Positive * Negative |  |  |
| Other immunohistochemistry | Free text |  |  |
| Other immunohistochemistry result | Single selection value list:   * Positive * Negative * Not applicable | Not applicable if ‘Other immuno-histochemistry’ is blank |  |
| Tumour limited to ipsilateral parietal ± visceral ± mediastinal ± diaphragmatic pleura | Single selection value list:   * Yes * No * Not applicable |  |  |
| Tumour involving all ipsilateral pleural surfaces (parietal, mediastinal, diaphragmatic, visceral) | Single selection value list:   * Yes * No * Not applicable |  |  |
| Involvement of diaphragmatic muscle | Single selection value list:   * Yes * No * Not applicable |  |  |
| Extension of tumour from visceral pleura into the underlying pulmonary parenchyma | Single selection value list:   * Yes * No * Not applicable |  |  |
| Involvement of endothoracic fascia | Single selection value list:   * Yes * No * Not applicable |  |  |
| Extension into mediastinal fat | Single selection value list:   * Yes * No * Not applicable |  |  |
| Solitary, completely resectable focus of tumour extending into the soft tissues of the chest wall | Single selection value list:   * Yes * No * Not applicable |  |  |
| Non-transmural involvement of the pericardium | Single selection value list:   * Yes * No * Not applicable |  |  |
| Diffuse or multiple foci of the tumour invading the soft tissue of the chest wall ± rib destruction | Single selection value list:   * Yes * No * Not applicable |  |  |
| Direct trans-diaphragmatic extension of tumour to the peritoneum | Single selection value list:   * Yes * No * Not applicable |  |  |
| Direct extension of tumour to mediastinal organs (great vessels/oesophagus/trachea/other) | Single selection value list:   * Yes * No * Not applicable |  |  |
| Direct extension of tumour to the contralateral pleura | Single selection value list:   * Yes * No * Not applicable |  |  |
| Direct extension of tumour into the spine | Single selection value list:   * Yes * No * Not applicable |  |  |
| Tumour extending through to the internal surface of the pericardium ± pericardial effusion | Single selection value list:   * Yes * No * Not applicable |  |  |
| Direct invasion of the myocardium | Single selection value list:   * Yes * No * Not applicable |  |  |
| Ipsilateral bronchopulmonary, hilar or mediastinal (including the internal mammary, peridiaphragmatic, pericardial fat pad or intercostal lymph nodes) lymph nodes | Single selection value list:   * Not submitted * Submitted * Involved |  |  |
| Contralateral bronchopulmonary, hilar or mediastinal lymph nodes or ipsilateral or contralateral supraclavicular lymph nodes | Single selection value list:   * Not submitted * Submitted * Involved |  |  |
| If neoadjuvant therapy, % of viable tumour on cross-section | Number (range 0–100) |  |  |
| Excision complete (R0) | Single selection value list:   * Yes * No * Not applicable |  |  |
| Macroscopic involvement (R2) | Single selection value list:   * Yes * No * Not applicable |  |  |
| Sites of involvement if R1 or R2 | Single selection value list:   * Yes * No * Not applicable | Only applicable if ‘Microscopic involvement (R1)’ is Yes or ‘Macroscopic involvement (R2)’ is Yes |  |
| Closest excision margin | Free text | Only applicable if ‘Excision complete (R0)’ is Yes |  |
| Closest excision margin, distance | Distance in mm | Only applicable if ‘Excision complete (R0)’ is Yes |  |
| Sites of incomplete resection | Free text |  |  |
| Metastases | Single selection value list:   * Unknown * Absent (M0) * Present (M1) |  |  |
| Metastases, details | Free text | Only applicable if ‘Metastases is Present (M1)’ |  |
| Background lung, asbestos bodies | Single selection value list:   * Yes * No * Not applicable |  |  |
| Background lung, asbestosis | Single selection value list:   * Yes * No * Not applicable |  |  |
| pT stage | Single selection value list:   * X * 0 * 1 * 2 * 3 * 4 |  | pCR0910 |
| pN stage | Single selection value list:   * X * 0 * 1 * 2 |  | pCR0920 |
| M stage | Single selection value list:   * Unknown * M0 * M1 |  | pCR0930 |
| TNM edition | Single selection value list:   * UICC edition 7 * UICC edition 8 |  | pCR6820 |
| Comments | Free text |  |  |
| SNOMED-T code | May have multiple codes.  Look up from SNOMED tables. |  | pCR6410 |
| SNOMED-M code | May have multiple codes.  Look up from SNOMED tables. |  | pCR6420 |