


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 Accredited to ISO 15189:2012	The Mid Yorkshire Hospitals NHS Trust	
	Issue No: 008 Issue date: 10 September 2021	
	Dewsbury and District Hospital Pathology Halifax Rd, Dewsbury WF13 4HS	Contact: Janet English Tel: +44 (0) 1924 317003 E-Mail: Janet.English2@nhs.net Website: https://www.midyorks.nhs.uk
Testing performed by the Organisation at the location above only		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity
Address Dewsbury and District Hospital Pathology Halifax Rd, Dewsbury WF13 4HS	Local contact Mrs E Godfrey 01924 317002	Routine Histopathology Special Stains Immunocytochemistry Immunofluorescence Non-Gynae cytology

Site activities performed away from the locations listed above:

Location details	Activity
Pinderfields General Hospital, Pathology Aberford Rd, Wakefield WF1 4DG	



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN BODY TISSUE AND FLUIDS</p> <p>Tissue Samples: Fixed, fresh and frozen tissue; excisional and incisional biopsies and surgical resection specimens</p>	<p><u>Histopathology examination activities for the purpose of clinical diagnosis</u></p> <p>Routine Histopathology examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of clinical diagnosis</p>	<p>Macroscopic and Microscopic examination</p> <p>Specimen Dissection Manual method using documented procedures:</p> <p>CSOP-CP-016 – Examination and Reporting of Skin Biopsies (excluding Melanoma)</p> <p>CSOP-CP-009 – Examination and Reporting of Malignant Melanomas</p> <p>CSOP-CP-041 – Guidelines for the Examination and Reporting of Breast Cancer Specimens</p> <p>CSOP-CP-004 – Examination and Reporting of Breast Core Biopsies</p> <p>CSOP-CP-045 – Examination and Reporting of Impalpable Breast Lesions (Needle Guided Biopsies)</p> <p>CSOP-CP-005 – Examination and Reporting of Palpable Breast Lesions and Axillary Dissection Specimens</p> <p>CSOP-CP-031 – Examination and Reporting of Hysterectomy Specimens for Endometrial Carcinoma</p> <p>CSOP-CP-032 – Examination and Reporting of Hysterectomy Specimens for Smooth Muscle Neoplasm</p> <p>CSOP-CP-033 Examination and Reporting of Cervical Punch Biopsies LLETZ Excisions and Knife Cone Biopsies</p> <p>CSOP-CP-001 – Examination and Reporting of Ovarian Tumours +/- Omentectomy</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Tissue Samples (cont'd)</p>	<p><u>Histopathology examination activities for the purpose of clinical diagnosis (cont'd)</u></p>	<p>Macroscopic and Microscopic examination (cont'd)</p> <p>Specimen Dissection Manual method using documented procedures: (cont'd)</p> <p>CSOP-CP-046 – Examination and Reporting Bronchial and Lung Biopsies for Cancer</p> <p>CSOP-CP-026 – Examination and Reporting of Lymph Node Biopsies</p> <p>CSOP-CP-037 – Reporting of Liver Biopsies for Hepatitis C</p> <p>CSOP-CP-11 – Examination and Reporting of Colorectal Polyps</p> <p>CSOP-CP-008 – Examination and Reporting of Colorectal Resections for Cancer</p> <p>CSOP-CP-047 – Receipt and Safe Handling of Sentinel Lymph Node Biopsy and their Related Mastectomy Specimens</p> <p>CSOP-CP-043 – Examination and Reporting of Testicular biopsies and resections and retroperitoneal lymph node dissections</p> <p>CSOP-CP-039 – Examination and Reporting of Adult Renal Parenchymal Specimens</p> <p>CSOP-CP-048 – Examination and Reporting of Prostatic Biopsies and Resections</p> <p>CSOP-CP-040 – Examination and Reporting of Penile Biopsies and Resections</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Tissue Samples (cont'd)</p>	<p><u>Histopathology examination activities for the purpose of clinical diagnosis (cont'd)</u></p>	<p>Macroscopic and Microscopic examination (cont'd)</p> <p>Specimen Dissection Manual method using documented procedures: (cont'd)</p> <p>CSOP-CP-044 – Examination and Reporting of Urinary Bladder, Uretic, Renal Pelvic and Urethral Specimens</p> <p>CSOP-CP-014 – Bowel Cancer Screening Programme Specimens</p> <p>CSOP-CP-002 – Procedure for Expert Practitioner Cut-up of Appendix (Category C) Specimens</p> <p>CSOP-CP-028 - Procedure for Expert Practitioner cut-up of Fibro adenoma of the breast (category C) specimens</p> <p>CSOP-CP-029 - Procedure for Expert Practitioner cut-up of Gynaecomastia (category C) specimens</p> <p>CSOP-CP-030 - Procedure for Expert Practitioner cut-up of Prophylactic Mastectomy (category C) specimens</p> <p>CSOP-CP-022- Procedure for Expert Practitioner cut-up of Breast Reduction (category C) specimens</p> <p>CSOP-CP-015 - Procedure for Expert Practitioner cut-up of Colonic Polyps (category C) specimens</p> <p>CSOP-CP-018 - Procedure for Expert Practitioner cut-up of Fallopian tubes (category B) specimens</p> <p>CSOP-CP-017 - Procedure for Expert Practitioner cut-up of Gallbladder (category C) specimens</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Tissue Samples (cont'd)</p>	<p><u>Histopathology examination activities for the purpose of clinical diagnosis (cont'd)</u></p>	<p>Macroscopic and Microscopic examination (cont'd)</p> <p>Specimen Dissection Manual method using documented procedures: (cont'd)</p> <p>CSOP-CP-020 - Procedure for Expert Practitioner cut-up of Haemorrhoids (category C) specimens</p> <p>CSOP-CP-019 - Procedure for Expert Practitioner cut-up of LLETZ biopsy (category B) specimens</p> <p>CSOP-CP-013 - Procedure for Expert Practitioner cut-up of Uterus (category C) specimens</p> <p>CSOP-CP-034 - Procedure for Expert Practitioner cut-up of Femoral Head (category C) specimens</p> <p>CSOP-CP-035 - Procedure for Expert Practitioner Cut-up of Microdochectomy (Category C) Specimens</p> <p>CSOP-CP-036 - Procedure for Expert Practitioner Cut-up of Lipoma (Category B) Specimens</p> <p>CSOP-CP-033 - Procedure for Expert Practitioner Cut-up of Placenta (Category C) Specimens</p> <p>CSOP-CP-010 – Dissection and reporting of benign gastrointestinal specimens</p> <p>CSOP-CP-025 - Dissection and Reporting of Head and Neck Specimens</p> <p>CSOP-CP-027 - Examination and Reporting of Gastrointestinal Biopsies</p>



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Macroscopic and Microscopic examination (cont'd)
Femoral head Other bone Teeth		Decalcification of bony tissue Manual method using documented procedure: SOP-CP-099 – Decalcification of Bone Specimens CSOP-CP-034 – Procedure for Expert Practitioner Cut-up of Femoral Head (Category C) Specimens
Tissue samples		Tissue processing Documented procedure & manufacturer's instructions using Leica ASP300S (x3) SOP-CP-135 and Thermo Shandon Excelsior. SOP-CP-054 and SOP-CP-052
Tissue samples		Tissue embedding Manual method and Documented procedure & manufacturer's instructions using 2 x Leica Arcadia SOP-CP-050
Tissue samples		Tissue sectioning Manual method using documented procedure. SOP-CP-051 Microtomes x6 Leica RM2125RTF Leica Histocore Biocut x3 Leica RM2235 x2
Fresh tissue sample	Basophilic and eosinophilic tissue structures	Frozen section preparation and staining for urgent investigation, rapid H&E and immunofluorescence. Documented procedure & manufacturer's instructions using Leica CM1860 cryostat UV model SOP-CP-043 Manual H&E stain SOP-CP-128 – Special Stains Laboratory Procedures FORM-CP-27
Tissue samples	Basophilic and eosinophilic tissue structures	Routine staining Haematoxylin and Eosin (H&E) Documented procedure & manufacturer's instructions using HistoCore SPECTRA ST Stainer SOP-CP-136 Leica Autostainer (X1). SOP-CP-011



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Macroscopic and Microscopic examination (cont'd)
Tissue samples	Special Stains to detect the following: Acid mucins Acid/neutral mucins Amyloid Elastic fibres Helicobacter Pylori Reticulin Gram +/- organisms Fungi	Special Staining techniques using manual methods using documented procedure SOP-CP-128 – Special Stains Laboratory Procedures: Alcian blue Alcian blue/PAS Congo red (Puchtler's) Elastic Van Gieson Modified Giemsa Gordon and Sweet's Gram Stain Grocott
Tissue samples	Special Stains to detect the following, (cont'd): Fibrin, collagen Fibrin and connective tissues Glycogen/fungi A-1-anti-trypsin Ferric iron (haemosiderin) Melanin (reducing agents) HepB surface antigen Mast cell granules Collagen/muscle Calcium Mycobacterium Tuberculosis Protozoa Leucocytes Spirochaetes	Special Staining techniques using manual methods using documented procedure. Masson's trichrome MSB PAS+/-diastase Perl's Schmorl's Shikata's orcein Toluidine blue Van Gieson Von Kossa Ziehl Neelsen Giemsa stain – SOP-CP-071 Warthin and Starry - SOP-CP-072



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Macroscopic and Microscopic examination (cont'd)
Tissue Samples	<p>Immunocytochemistry to detect the following:</p> <p>Epithelial cells Germ cell tumours Prostatic Intraepithelial Neoplasia B Cells Epithelial cells, mesothelioma panel Ovarian tumour Colorectal, prostate cancer Smooth Muscle Mesotheloma panel Epithelial cells T Cells Lymphoma, brush border of gut epithelium Granulocytes, Reed Sternberg (RS) cells, mesothelioma panel B Cells RS cells Endothelial cells Endothelial cells Neuroendocrine cells Macrophages Ewings sarcoma, B cell lymphoma GIST Colonic adenocarcinoma Colonic carcinoma Colonic carcinoma/meso panel Neuroendocrine cells Cytomegalovirus Epithelial cells/mesothelioma panel Epithelial cells Epithelial cells Epithelial cells Epithelial cells Basal cells of prostate glands Muscle Smooth/striated GIST breast duct epithelial cells Epithelium/mesothelioma panel Oestrogen receptors</p>	<p>Documented procedure & manufacturer's instructions using Roche. SOP-CP-101. Automated platform. Ventana Benchmark Ultra x2.</p> <p>AE1/3 AFP AMACR Bcl2 Ber EP4 CA 125 CA 19.9 Caldesmon Calretinin CAM 5.2 CD 3 CD 10 CD 15 CD 20 CD30 (Ber H2) CD 31 CD 34 (QBend 10) – CD 56 CD 68 CD 99 CD 117 (c-kit) CDX 2 CEA (Mono) CEA (Poly) Chromogranin CMV CK 5/6 CK 7 CK 14 CK 19 CK 20 CK34/BE12 (HMWCK) Desmin DOG 1 E-Cadherin EMA ER (SP1)</p>



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Macroscopic and Microscopic examination (cont'd)
Tissue Samples (cont'd)	Immunocytochemistry to detect the following: (cont'd)	Documented procedure & manufacturer's instructions using Roche. SOP-CP-101. Automated platform. Ventana Benchmark Ultra x2.
	Germ cell tumours, placenta Herceptin marker of breast cancer Melanoma marker	HCG HER2 HMB45
	ovary/testis Proliferating cells Leucocytes Melanoma marker Epithelial cells Rhabdomyosarcoma Cervical cancer/Head and neck cell proliferation Basal cells of glandular tissue Prostate	Inhibin Ki 67 LCA or CLA or CD 45 Melan A MNF116 Myo D1 P16ink4a P53 P63 PAP
	Prostatic Intraepidermal Neoplasia Placenta Lymphatic vessels	PIN3 PLAP Podoplanin (D2-40)
	Progesterone receptors Prostate Renal Cell Carcinoma Nerve/Melanoma Smooth muscle Smooth muscle Nervous tissue Thyroid colloid Primary lung cancer/thyroid, mesothelioma panel	PR PSA RCC S100 SMA SMM Synaptophysin Thyroglobulin TTF-1
	Mesenchymal cells Wilm's tumour/Mesothelioma panel Fibroblasts and endothelial cells Liver malignancy Ovarian carcinoma	Vimentin WT-1 Beta-Catenin Hepatocyte Specific Antigen PAX-8



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Tissue sample Skin Oral</p> <p>Histological sections prepared in house as above</p>	<p><u>Histopathology examination activities for the purpose of clinical diagnosis (cont'd)</u></p> <p>Histopathology – Direct Immunofluorescence for the identification of:</p> <p>immune deposits of IgA immune deposits of IgG immune deposits of IgM immune deposits of C3</p> <p>Morphological assessment and interpretation/diagnosis:</p>	<p>Macroscopic and Microscopic examination (cont'd)</p> <p>Documented procedure & manufacturers instructions using Roche. Automated platform Ventana Benchmark Ultra. Leica DMLB microscope with Cool LED pe100 light source. SOP-CP-089.</p> <p>IgA FITC IgG FITC- IgM FITC - C3 FITC -</p> <p>Interpretive microscopy using various microscopes from Leica, Olympus, Nikon SOP's: CSOP-CP-016 – Examination and Reporting of Skin Biopsies (excluding Melanoma) CSOP-CP-009 – Examination and Reporting of Malignant Melanomas CSOP-CP-042 Guidelines for the examination and reporting of breast cancer specimens CSOP-CP-004 - Breast Core biopsies CSOP-CP-045 - Impalpable breast lesions (needle guided biopsies) CSOP-CP-005 - Palpable breast lesions and axillary dissection specimens CSOP-CP-031 - Hysterectomy - Endometrial carcinoma CSOP-CP-032 - Hysterectomy - Smooth muscle neoplasms CSOP-CP-033 - LLETZ excisions and cone biopsies</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Histological sections prepared in house as above</p>	<p><u>Histopathology examination activities for the purpose of clinical diagnosis (cont'd)</u></p> <p>Morphological assessment and interpretation/diagnosis (cont'd):</p>	<p>Macroscopic and Microscopic examination (cont'd)</p> <p>Interpretive microscopy using various microscopes from Leica, Olympus, Nikon</p> <p>SOP's:</p> <p>CSOP-CP-001 - Ovarian tumours</p> <p>CSOP-CP-046 - Bronch & Lung biopsies Cancer</p> <p>CSOP-CP-026 - Lymph node biopsies</p> <p>CSOP-CP-037 - Liver biopsies for Hepatitis C</p> <p>CSOP-CP-11 - Colorectal Polyps</p> <p>CSOP-CP-008 - Reporting colorectal resections for cancer</p> <p>CSOP-CP-047 - Safe handling of sentinel Lymph node Biopsy and their related Mastectomy specimens</p> <p>CSOP-CP-043 - Examination and reporting of testicular biopsies and resections and retroperitoneal lymph node dissections</p> <p>CSOP-CP-039 - Examination and reporting of adult renal parenchymal specimens</p> <p>CSOP-CP-048 - Examination and reporting of prostatic biopsies and resections</p> <p>CSOP-CP-040 - Examination and reporting of penile biopsies and resections</p> <p>CSOP-CP-044 - Examination and reporting of urinary bladder, ureteric, renal pelvic and urethral specimens</p>



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<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Histological sections prepared in house as above</p>	<p><u>Histopathology examination activities for the purpose of clinical diagnosis (cont'd)</u></p> <p>Morphological assessment and interpretation/diagnosis (cont'd):</p>	<p>Macroscopic and Microscopic examination (cont'd)</p> <p>Interpretive microscopy using various microscopes from Leica, Olympus, Nikon SOP's:</p> <p>CSOP-CP-014 - Bowel Cancer Screening Programme Specimens</p> <p>CSOP-CP-035 - Procedure for Expert Practitioner Cut-up of Microdochoectomy (Category C) Specimens</p> <p>CSOP-CP-036 - Procedure for Expert Practitioner Cut-up of Lipoma (Category B) Specimens</p> <p>CSOP-CP-003 - Procedure for Expert Practitioner Cut-up of Placenta (Category C) Specimens</p> <p>CSOP-CP-010 – Dissection and reporting of benign gastrointestinal specimens</p> <p>CSOP-CP-025 - Dissection and Reporting of Head and Neck Specimens</p> <p>CSOP-CP-027 - Examination and Reporting of Gastrointestinal Biopsies</p> <p>CSOP-CP-49 – Peer review meeting procedure</p> <p>CSOP-CP-041 – Double reporting of selected specimens</p>



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<p>HUMAN BODY TISSUE AND FLUIDS</p> <p>Human body Fluids and tissues, fine needle aspirates, body fluids, urine, brushings</p> <p>Cytological sections prepared in house as above</p>	<p><u>Cytopathology (Non-Gynae) examination activities for the purpose of clinical diagnosis</u></p> <p>Examination of basic cellular components in order to identify or exclude morphological and cytological abnormalities</p> <p>Reading and interpretation of slides from processed fluids</p>	<p>Macroscopic and Microscopic examination</p> <p>Sample preparation, processing and routine staining Documented procedure & manufacturer's instructions using Envair Hood and Shandon Cytospin. SOP-CP-129 – Non-Gynae Preparation SOP-CP-116 – Non-Gynae/Andrology staining and IQCAir Dried SOP_HAEM_113</p> <p>Interpretive microscopy using: Olympus/Leica/Nikon Interpretation SOP-CSOP-024 – Reporting of Non Gynaecological Cytology Samples</p>
<p>END</p>		