BIOMEDICAL SCIENTIST TRAINING LOGBOOK

for

DIPLOMA of EXPERT PRACTICE IN HISTOLOGICAL DISSECTION

ISSUED TO:

Royal College of Pathologists Categories B and C Only

The Royal College of Pathologists

Pathology: the science behind the cure

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INTRODUCTION

All biomedical scientists undergoing training in the histological selection and dissection of tissues in preparation for sitting the IBMS Diploma of Expert Practice in Histological Dissection must use this logbook. It provides a nationally recognised training framework to enable biomedical scientists to acquire the minimum level of competence required to perform the histological dissection of tissues and organs in specimen categories B and C. These are defined in the Royal College of Pathologists Working Party Report 'Draft Guidelines for the involvement of Biomedical Scientists in the Dissection of Specimens and Selection of Tissues' (January 2001). It is acknowledged that variations in local practice may determine a local move from the Royal College of Pathologists specimen categories, but the examination will be based on the specimen and tissue types listed under specimen categories B and C.

Laboratories wishing to offer this training must be approved by the Institute for training. Where a laboratory belongs to a single organisation, with laboratories on multiple sites, or is a member of a network, if there is a single training policy and procedure in place that has been submitted for training status approval, the overarching approval is acceptable for the individual member laboratories. All laboratories wishing to participate in this training process must be United Kingdom Accreditation Service (UKAS) registered and have full accreditation or be actively seeking accreditation. Training must be conducted in-house under the overall supervision and responsibility of a named consultant pathologist supervisor. Additional consultants may supervise training for specimens from different organ systems or categories and this must be indicated in the training logbook.

The final assessment of competence is based upon the submission of an evidence based portfolio and the subsequent written examination. The successful completion of these requirements will be recognised by the awarding of a Diploma of Expert Practice in Histological Dissection. This confers eligibility to undertake histological dissection of specimens in categories B and C according to the modules in which practical training has been received as stated on the Certificate.

Histological dissection performed by a biomedical scientist holding a Diploma of Expert Practice remains the responsibility of the consultant pathologist and may only be undertaken with the agreement of the medical head of department and consultants wishing to support the initiative.

GUIDANCE TO CANDIDATES AND SUPERVISORS

Details about this qualification, such as eligibility criteria, aims and learning outcomes, the role and profile of the consultant pathologist supervisor, portfolio of evidence, final examination as well as sample questions and an indicative reading list are available in discipline specific guidance to candidates. Further guidance on the compilation for the portfolio is available in the generic guidance to candidates. These documents can be obtained by contacting the Institute office or downloaded from the Institute's website, www.ibms.org.

USE OF THE TRAINING LOGBOOK

Named consultant pathologist supervisor and nominated supervisory individuals

The professional requirements of the named consultant pathologist supervisor are that the individual must be registered and fulfilling the criteria of an approved CPD scheme. The named consultant pathologist supervisor may, at his/her discretion, delegate aspects of training to other individuals with appropriate and sufficient experience. In addition to the named consultant pathologist supervisor a biomedical scientist supervisor must be appointed to oversee the training process.

The decision to support the training of any eligible biomedical scientist to undertake histological dissection lies with the individual's department, as does the decision as to the range and type of specimens that a biomedical scientist may handle. While the principle of training may be supported by the department, local restrictions on the scope of this training may prevent a biomedical scientist from completing all of the optional modules within the logbook.

The successful completion of the Institute training courses and final assessment of competence to undertake histological dissection does not confer an automatic right to undertake an expert role. The employment of biomedical scientists to perform histological dissection is at the discretion of a medical head of a department and consultants who support this initiative. Responsibility for specimens dissected by biomedical scientists, in accordance with departmental SOPs, remains with the consultant pathologist supervisor.

It is expected that the assessment of competence will be an ongoing process throughout the training period. Supervising pathologists must be satisfied that an individual is competent to undertake the dissection of a particular specimen or tissue type before progressing to more complex dissections. The logbook allows for the recording of comments regarding progress and aptitude throughout the training period. It is incumbent upon any supervising pathologists to ensure that training progress is documented at each stage of delivery.

Training modules

The logbook is divided into two sections comprising 5 mandatory and 11 optional training modules. Each aspect of training comprises the theoretical knowledge required to understand the processes that underpin the task and the practical skills and competencies to successfully execute the task. The biomedical scientist in training will be expected to acquire and demonstrate the knowledge that accompanies the practical skills.

The mandatory modules cover subjects common to all histopathology laboratories, irrespective of workload type or specialism, and must be completed by all biomedical scientists undertaking training in histological dissection. The optional modules cover the main organ and specimen types. It is the choice of the biomedical scientist and consultant pathologist supervisor as to which modules are selected for training. This will be influenced by the nature of the laboratory workload. In order to fulfil the training requirements, it is acceptable for an arrangement to exist with another hospital for a period of secondment in order to obtain the required level of practical experience and competence. Practical training must cover at least one of the optional modules. The examination tests theoretical knowledge of dissection in all areas but the certificate will reflect only the modules in which practical competence has been obtained. Success in the examination will depend upon a broad spectrum of knowledge acquired during training.

The Royal College of Pathologists cancer datasets and tissue pathways

In accordance with Royal College of Pathologists guidelines, many aspects of pathology reporting comply with national cancer datasets and tissue pathways. The biomedical scientist in training will be expected to know and implement these in agreement with the medical head of department.

Standard operating procedures

All aspects of laboratory work must be covered by individual signed, indexed and dated SOPs. Before commencing training, it is mandatory that appropriate SOPs be in place to describe the departmental protocol for the dissection of tissues. The biomedical scientist must operate within the appropriate SOP at all times.

Audit

Audit must form an integral part of both the training process and ongoing practice. The requirement for preview and review of the specimen and any samples taken from it forms the basis of continuing audit of the biomedical scientist's competence and performance and must be clearly demonstrable within the portfolio of evidence presented for assessment. The extent to which audit is undertaken is at the discretion of the named consultant pathologist supervisor, taking into account the experience of the biomedical scientist.

Training methods

Training for histological dissection must follow the sequence of:

- observation of the pathologist, or delegated individual, performing the dissection
- direct supervision by the pathologist during specimen dissection
- indirect supervision with the pathologist available for advice and review
- slide/case review with supervising pathologist

At all times within this training process there is an expectation of the trainee to be able to demonstrate self directed learning.

Within the training programme there is also a requirement to show knowledge and skills that include:

- audits of personal practice – A minimum of three different audits must be submitted (at least one must be of personal practice and another must be of clinical practice) with appropriate outcomes and reflection
- a demonstration of reflection on the learning outcomes relating to the pre-analytical, analytical and post-analytical components of the individuals practice, when appropriate

A continuing part of the process is the opportunity to discuss the trainee's development and progress. Progression from direct to indirect supervision will depend upon the locally agreed assessment of competence by the supervising pathologist. This progression should be recorded and demonstrable within the portfolio of evidence collected by the trainee.

The duration of practical training must be sufficient to ensure that competence has been achieved in all the mandatory modules and at least one of the optional modules.

RECORD OF TRAINING

Name		
Employment grade		
Institute membership number		
HCPC registration number		
Training Laboratory		
Address		
Telephone		
Email		
Named Consultant Pathologist Supervisor		
Named Biomedical Scientist Supervisor		
Seconded Laboratory Name (if applicable)		
Duration of Training	**From:**	**To:**

RECORD OF TRAINING continued

Module	Supervising pathologist	Dates of Training

MANDATORY MODULE 1 CLINICAL GOVERNANCE	Date Started	Date Completed	Signature of designated supervisor
Knows and understands: The safety responsibilities of the employee under the Health and Safety at Work Act 1974, COSHH, RIDDOR and current safety legislation The departmental safety policy The hazards associated with fixative solutions The need to wear appropriate personal protective equipment The *universal precautions* for handling specimens The hazards associated with dissection knives, scalpels and scissors The need to disinfect and sterilise equipment and the cut-up area after use Methods of dealing with spillage Operation and use of ventilated work areas The requirements for clinical waste disposal The procedures in place to deal with high risk specimens The appropriate personal protective equipment for dealing with high risk specimens			

MANDATORY MODULE 1 continued **CLINICAL GOVERNANCE**	**Date Started**	**Date Completed**	**Signature of designated supervisor**
The local disinfectant, sterilisation and disposal procedures for high risk specimens The requirement to ensure that the specimen number on the request form and on the specimen container match correctly The requirement to check that the patient details on the request card and on the pot match correctly The importance of correctly dictated patient details The importance of correct specimen identification and orientation in the patient management process How to deal with inadequately or incorrectly labelled specimens and incomplete requests When specimens need referral to a consultant pathologist or an experienced biomedical scientist The risk to the patient of diagnostic errors How transposition errors can impact on patient treatment The type of specimens that require respectful disposal The principles of clinical audit			

MANDATORY MODULE 1 continued CLINICAL GOVERNANCE	Date Started	Date Completed	Signature of designated supervisor
The current guidelines and regulations for dissection and retention of tissues including the appropriate Codes of Practice of the Human Tissue Authority The Good Practice Guidelines of the Patient Safety Agency The mechanisms and methods of demonstrating audit and analysis of own performance against an agreed set of criteria The principles and maintenance of patient confidentiality The requirements for full SOP and risk assessment compliance The principles of incident reporting, risk assessment and root cause analysis The mechanisms and methods of demonstrating reflection on the learning outcomes within own practice			

Declaration

I declare that I have satisfactorily completed the clinical governance module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed …… Date ……

I declare that …… has satisfactorily completed the clinical governance module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed (supervising pathologist) …… Date ……

MANDATORY MODULE 2 GENERAL PRINCIPLES OF DISSECTION	Date Started	Date Completed	Signature of designated supervisor
Knows and understands: Medical terminology and the importance of clinical history in determining block selection The purpose of the Royal College of Pathologists cancer datasets and tissue pathways The purpose and application of SOPs for tissue dissection How to describe the dissection process accurately using diagrams, standardised formats and terminology where appropriate The local procedures for accurate numbering of cassettes How to mark margins and orientate specimens to allow accurate assessment How to measure, weigh and describe specimens using standard terminology How to use dissection equipment When to use specimen macrophotography The relevance of appropriate tissue sampling How to record the number and location of where the blocks originate			

MANDATORY MODULE 2 continued GENERAL PRINCIPLES OF DISSECTION	Date Started	Date Completed	Signature of designated supervisor
The importance of recording whether there is any tissue retained How to ensure the embedder has informative instructions to allow appropriate orientation and embedding When specimens require to be wrapped or contained to prevent loss during processing How to prevent carry over or contamination of specimens How to dissect high risk specimens safely How to handle fresh specimens for diagnostic and research purposes How to dissect specimens for specialist testing e.g. genomic studies, bio-banking and clinical trials			

Declaration

I declare that I have satisfactorily completed the general principle of dissection module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed …… Date ……

I declare that …… has satisfactorily completed the general principle of dissection module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed (supervising pathologist) …… Date ……

MANDATORY MODULE 3 SURGICAL PROCEDURES	Date Started	Date Completed	Signature of designated supervisor
Knows and understands: The clinical reasons for the submission of the following types of biopsy specimen: Cone Curettage Endoscopic biopsies (in all specialities) Evacuations Excisional Hysteroscopic Incisional Laparoscopic Large loop excision of transformation zone (LLETZ) Mammotome Needle core (in all specialities) Open Pipelle samples Punch Resections Shave Skin curettings Suction biopsies Trephines Wedge			

Declaration

I declare that I have satisfactorily completed the surgical procedures module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed …… Date ……

I declare that …… has satisfactorily completed the surgical procedures module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed (supervising pathologist) …… Date ……

MANDATORY MODULE 4 PATHOLOGICAL PROCEDURES	Date Started	Date Completed	Signature of designated supervisor
Knows, understands and can give examples of: Acute inflammation Chronic inflammation Granulomatous inflammation Apoptosis Necrosis Tissue injury, including radiation injury Immune responses Autoimmune disease Wound healing and repair Scarring Infections, acute and chronic Thrombosis and coagulation Atherosclerosis Embolism Ischaemia and infarction Oedema Atrophy Hypoplasia Hyperplasia Metaplasia Neoplasia (benign and malignant) Premalignancy Malignancy Mechanisms of tumour spread, local and metastasis Tumour markers Common genetic conditions Common degenerative conditions			

Declaration

I declare that I have satisfactorily completed the pathological processes module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed …… Date ……

I declare that …… has satisfactorily completed the pathological processes module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed (supervising pathologist) …… Date ……

MANDATORY MODULE 5 ANATOMICAL NOMENCLATURE	Date Started	Date Completed	Signature of designated supervisor
Knows and understands: The concept of the anatomical position The terms used to describe the relative positions, one to the other, of parts of the human body e.g. anterior, lateral etc The surface anatomy terms commonly used on pathology requests Surface anatomical features can relate to the position of underlying organs The gross anatomical features of organs, viscera and tissues, e.g. cardia, fundus, body and antrum of stomach The anatomical relations of organs and viscera, e.g. the uterus is posterior to the urinary bladder but anterior to the pouch of Douglas and the rectum The histological classification of tissues, e.g. epithelial, mesenchymal Functional anatomical structures or systems, their distribution and physiology, e.g. the endocrine system The use of anatomical terminology appropriately in histopathological dissection The use of a clinical anatomy atlas			

Declaration

I declare that I have satisfactorily completed the anatomical nomenclature module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed …… Date ……

I declare that …… has satisfactorily completed the anatomical nomenclature module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed (supervising pathologist) …… Date ……

OPTIONAL MODULE 1 ENDOCRINE	Date Started	Date Completed	Signature of designated supervisor
Knows, understands and is competent in: How to safely dissect specimens within the endocrine module The recognition and orientation of organs, components and/or tissues including the size, weight, colour, shape and appearance of commonly seen specimens received from or of them, and their associated pathology The recognition and labelling more specific areas of each organ and/or tissue, and their anatomical relationship to each other, other organs and tissues, relating structure to function **The following specimens and their associated pathology** **Thyroid** Specimens • Thyroidectomy • Needle biopsies Pathology • Non-neoplastic thyroid conditions e.g. Hashimoto's thyroiditis, cyst • Nodular goitre **Parathyroid** Specimens • Parathyroidectomy			

OPTIONAL MODULE 1 continued ENDOCRINE	Date Started	Date Completed	Signature of designated supervisor
Parathyroid continued Pathology • Nodular and diffuse hyperplasia • Single and multiple adenomata • Cyst **Pancreas** Pathology • Chronic Pancreatitis • Suspected Tumour **Adrenal** Pathology • Biopsies for diagnosis of a radiological mass lesion			
EXCLUDE: Pancreatic tumour resections, adrenal tumours, known thyroid malignancy and pituitary			

Declaration

I declare that I have satisfactorily completed the endocrine module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed …… Date ……

I declare that …… has satisfactorily completed the endocrine module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed (supervising pathologist) …… Date ……

OPTIONAL MODULE 2 **SKIN**	**Date Started**	**Date Completed**	**Signature of designated supervisor**
Knows, understands and is competent in: How to safely dissect specimens within the skin module The recognition and orientation of the organs, components and/or tissues in the skin module including the size, weight, colour, shape and appearance of commonly seen specimens received from or of them, and their associated pathology The recognition and labelling more specific areas of each organ and/or tissue, and their anatomical relationship to each other, other organs and tissues, relating structure to function The use of anatomical terms to describe specific areas of skin throughout the body The use of appropriate terms to describe skin specimen appearances The variations in skin types throughout the body The identification and marking of resection margins Sampling e.g. cruciate/serial transverse/longitudinal sections **The following specimens and their associated pathology**: • Epidermoid, polyps, pilar/sebaceous cysts and warts • Skin biopsies of an inflammatory nature (non-neoplastic) e.g. impetigo, granuloma annulare • Tumours and conditions affecting the dermis e.g. lipomas, neurofibroma, dermatofibroma, dermatofibrosarcoma protuberans			

OPTIONAL MODULE 2 continued SKIN	Date Started	Date Completed	Signature of designated supervisor
• Benign premalignant skin nodules e.g. seborrheic keratosis • Actinic/solar keratoses • Autoimmune conditions e.g. bullous pemphigoid, bullous pemphigus, dermatitis herpetiformis, discoid lupus erythematosus • Non-melanoma tumours e.g. basal cell carcinoma, squamous cell carcinoma, neuroendocrine carcinoma • Wider excisions, re-excisions and scarring • Sentinel nodes • Primary cutaneous melanocytic tumours benign and malignant			

Declaration

I declare that I have satisfactorily completed the skin module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed …… Date ……

I declare that …… has satisfactorily completed the skin module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed (supervising pathologist) …… Date ……

OPTIONAL MODULE 3 **BREAST**	**Date Started**	**Date Completed**	**Signature of designated supervisor**
Knows, understands and is competent in: How to safely dissect specimen types within the breast module The recognition and orientation of the organs, components and/or tissues in the breast module including the size, weight, colour, shape and appearance of commonly seen specimens received from or of them, and their associated pathology The recognition and labelling more specific areas of each organ and/or tissue, and their anatomical relationship to each other, other organs and tissues, relating structure to function **The following specimens and associated pathology:** • Fibroadenomas • Fibrocystic change • Cysts • Duct excisions • Breast reductions • Nipple biopsy • Gynaecomastia • Other non-malignant samples			
EXCLUDE: All wide local excisions or mastectomies for invasive malignancy, suspected invasive malignancy or in situ malignancy and lymph node resections			

Declaration

I declare that I have satisfactorily completed the breast module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed …… Date ……

I declare that …… has satisfactorily completed the breast module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed (supervising pathologist) …… Date ……

OPTIONAL MODULE 4 OSTEOARTICULAR AND SOFT TISSUE	Date Started	Date Completed	Signature of designated supervisor
Knows, understands and is competent in: How to safely dissect all specimen types within osteoarticular and soft tissue module The recognition and orientation of the organs, components and/or tissues in the osteoarticular and soft tissue module including the size, weight, colour, shape and appearance of commonly seen specimens received from or of them, and their associated pathology The recognition and labelling more specific areas of each organ, structure and/or tissue, and their anatomical relationship to each other, other organs and tissues, relating structure to function The names of all the major bones of the body The appearance of articular surfaces of bones The structure of joints, tendons, fascia and connective tissue The attachment of muscle to bone **The following specimens and associated pathology:** **Bone** • Femoral head • Osteoarthrosis • Osteoporotic fracture • Osteomalacia • Biopsy, curettings from a clinical or radiological mass lesion or pathological fracture			

OPTIONAL MODULE 4 continued OSTEOARTICULAR AND SOFT TISSUE	Date Started	Date Completed	Signature of designated supervisor
Synovium • Chronic synovitis • Pigmented villonodular synovitis (PVNS) • Synovial osteochondromatosis • Gout • Pseudogout **Soft tissues** • Small tumours: lipoma, schwannoma, neurofibroma, glomus tumour • Abscess, haematoma, gout, rheumatoid nodule • Ganglion cyst • Morton's neuroma			
EXCLUDE: All malignancies or suspected malignancies, except as small biopsies e.g. trephines			

Declaration

I declare that I have satisfactorily completed the osteoarticular and soft tissue module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed …… Date ……

I declare that …… has satisfactorily completed the osteoarticular and soft tissue module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed (supervising pathologist) ……Date ……

OPTIONAL MODULE 5 CARDIOTHORACIC	Date Started	Date Completed	Signature of designated supervisor
Knows, understands and is competent in: How to safely dissect all specimen types within the cardio-thoracic module The anatomy of the thorax and its divisions The recognition and orientation of the organs, components and/or tissues in the cardio-thoracic module including the size, weight, colour, shape and appearance of commonly seen specimens received from or of them, and their associated pathology The recognition and labelling more specific areas of each organ and/or tissue, and their anatomical relationship to each other, other organs and tissues, relating structure to function **The following specimens and associated pathology**: **Heart** • Cardiac biopsy **Heart valves** • Stenosis • Calcification • Infective carditis • Perforation **Mediastinum** • Needle core/thoracoscopic biopsies for diagnosis of a radiological lesion or lymph nodes for cancer staging			

OPTIONAL MODULE 5 continued CADIOTHORACIC	Date Started	Date Completed	Signature of designated supervisor
Arteries and veins • Atherosclerosis • Thrombosis and embolism • Aneurysm • Giant cell arteritis • Haemangioma, venous varix **Lung** • Endobronchial/transbronchial/thoracoscopic/needle core/wedge/pleural biopsies • Pulmonary fibrosis • Sarcoidosis • Tuberculosis • Pneumonia (acute/organising) • Pleural plaque			
EXCLUDE: All transplant specimens, including resected hearts and lungs and all resections for malignancy e.g. lobectomy, pneumonectomy, pleurectomy			

Declaration

I declare that I have satisfactorily completed the cardiothoracic module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed …… Date ……

I declare that …… has satisfactorily completed the cardiothoracic module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed (supervising pathologist) …… Date ……

OPTIONAL MODULE 6 GASTROINTESTINAL AND HEPATOBILIARY	Date Started	Date Completed	Signature of designated supervisor
Knows, understands and is competent in: How to safely dissect specimen types within the gastro-intestinal and hepatobiliary module The anatomy of the peritoneal cavity and its divisions The recognition and orientation of the organs, components and/or tissues in the gastro-intestinal & hepatobiliary module including the size, weight, colour, shape and appearance of commonly seen specimens received from or of them, and their associated pathology The recognition and labelling more specific areas of each organ and/or tissue, and their anatomical relationship to each other, other organs and tissues, relating structure to function **The following specimens and associated pathology:** **Small intestine** • Small bowel biopsies • Meckel's diverticulum • Ischaemic bowel • Richter's hernia • Hernial sac			

OPTIONAL MODULE 6 continued GASTROINTESTINAL AND HEPATOBILIARY	Date Started	Date Completed	Signature of designated supervisor
Large intestine and Rectum • Ischaemic bowel • Volvulus • Gastrointestinal polyps • Diverticular disease • Prolapse • Proctocolitis (serial biopsies) **Anus** • Fibroepithelial polyps • Prolapse/solitary rectal ulcer syndrome • Haemorrhoids • Fissure/fistula/abscess • Warts • Anal intraepithelial neoplasia (AIN) • Paget's disease **Appendix** • Acute appendicitis and complications e.g. perforation, gangrene, abscess, worms • Diverticulum • Endometriosis **Gallbladder** • Acute and chronic cholecystitis • Calculi • Adenomyoma • Cholesterolosis • Mucocoele • Mucosal polyps			

OPTIONAL MODULE 6 continued GASTROINTESTINAL AND HEPATOBILIARY	Date Started	Date Completed	Signature of designated supervisor
Liver • Needle core biopsies for the investigation of medical disease (viral/drug/autoimmune/obstruction) and for focal lesions (abscess/hepatocellular or bile duct lesion/metastasis) • Wedge biopsy for the investigation of focal lesions (see above)			
EXCLUDE: All visceral resections for malignancy or suspected malignancy and resections for inflammatory bowel diseases			

Declaration

I declare that I have satisfactorily completed the gastrointestinal and hepatobiliary module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed …… Date ……

I declare that …… has satisfactorily completed the gastrointestinal and hepatobiliary module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed (supervising pathologist) ……Date ……

OPTIONAL MODULE 7 GYNAECOLOGICAL	Date Started	Date Completed	Signature of designated supervisor
Knows, understands and is competent in: How to safely dissect all specimen types within the gynaecological module The anatomy of the pelvis and its divisions The recognition and orientation of the organs, components and/or tissues in the gynaecological module including the size, weight, colour, shape and appearance of commonly seen specimens received from or of them, and their associated pathology The recognition and labelling more specific areas of each organ and/or tissue, and their anatomical relationship to each other, other organs and tissues, relating structure to function **The following specimens and associated pathology:** **Ovary** • Torsion • Oedema • Oophoritis • Endometriosis • Ruptured corpus luteum • Benign cysts • Normal – including prophylactic specimens			

OPTIONAL MODULE 7 continued GYNAECOLOGICAL	Date Started	Date Completed	Signature of designated supervisor
Fallopian tubes • Normal - including prophylactic specimens • Sterilisation • Hydrosalpinx • Adhesions • Salpingitis/pyosalpinx **Uterus** Routine and prophylactic hysterectomy for: • Leiomyomata • Adenomyosis/endometriosis • Endocervical/endometrial polyps • Prolapse • Lynch Syndrome **Endometrium** • Normal • Inflammation • Polyps • Endometrial hyperplasia • Neoplasia **Cervix** • Cervical erosion • Polyps • Cervical intraepithelial neoplasia (CIN) • Cervical glandular intraepithelial neoplasia (CGIN) • Micro-invasive carcinoma			

OPTIONAL MODULE 7 continued GYNAECOLOGICAL	Date Started	Date Completed	Signature of designated supervisor
Tissues Related to Pregnancy • Products of conception • Molar pregnancy • Ectopic pregnancy **Vulva** • Leukoplakia • Lichen sclerosis • Bartholin's cyst • Simple skin and soft tissue lesions e.g. fibroepithelial polyp, lipoma. • Vulval intraepithelial neoplasia (VIN) • Paget's disease **Placenta (SEE NOTE BELOW)** • Infarctions • Chorioamnionitis • Twin pregnancy			
EXCLUDE: All resections for ovarian or endometrial malignancy, suspected myometrial malignancy, all cervical malignancy, other than biopsies and resections by cone or LLETZ and fetus examination and dissection			

Placenta: The Conjoint Board recognises that this specimen type is only processed in a limited number of specialised centres and therefore this module can be awarded either with or without the inclusion of evidence of the dissection of placentas. This will be noted on the supplementary module certificate that is awarded on the achievement of the overall qualification. Candidates should note however that within Paper 2 a question may be asked on this specimen type.

Declaration

I declare that I have satisfactorily completed the gynaecological module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed …… Date ……

I declare that …… has satisfactorily completed the gynaecological module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed (supervising pathologist) …… Date ……

OPTIONAL MODULE 8 GENITOURINARY	Date Started	Date Completed	Signature of designated supervisor
Knows and understands: How to safely dissect all specimen types within the genitourinary module The recognition and orientation of the organs, components and/or tissues in the genitourinary module including the size, weight, colour, shape and appearance of commonly seen specimens received from or of them, and their associated pathology The recognition and labelling more specific areas of each organ and/or tissue, and their anatomical relationship to each other, other organs and tissues, relating structure to function **The following specimens and associated pathology:** **Prostate** • Prostatic needle biopsy • Prostatic chippings • Hyperplasia • Prostatitis • High-grade prostatic intraepithelial neoplasia (PIN)			

OPTIONAL MODULE 8 continued GENITOURINARY	Date Started	Date Completed	Signature of designated supervisor
Male reproductive system • Testis: biopsy for investigation of infertility, germ cell neoplasia in-situ (GNIS) or diagnosis of a nodule in the testis or tunica, appendix testis, orchidectomy for torsion or inflammatory conditions • Hydrocoele sac • Epididymis: cyst, sperm granuloma, epididymitis, abscess, appendix epididymis • Penis: simple skin lesions, viral warts, diagnostic punch/incisional biopsy for warty/ulcer/plaque lesions of the glans • Spermatic cord: lipoma, vasectomy, vasitis nodosa, spermatocoele • Foreskin: balanitis, lichen sclerosus **Kidneys** • Needle core biopsy for the investigation of medical renal disease or a focal mass lesion (abscess/tumour) • PUI obstruction resection • Renal pelvis biopsies • Simple nephrectomies for benign disease; renal calculi, pyelonephritis, pyonephrosis, xanthogranulomatous pyelonephritis, hydronephrosis, adult polycystic kidney disease			

OPTIONAL MODULE 8 continued GENITOURINARY	Date Started	Date Completed	Signature of designated supervisor
Ureter and Urethra • Biopsy for a papillary lesion, polypoid lesions or carcinoma in-situ (CIS) • Resection for stricture • Resection for congenital anomalies (ureter) • Urethral caruncle **Bladder** • Cystoscopic biopsy for cystitis (acute/chronic/ follicular/granulomatous/interstitial/polypoid), squamous metaplasia, cystitis cystica/glandularis, calculi, carcinoma in-situ and papillary lesions. • Transurethral resection of bladder tumour fragments (TURBT) • Diverticulum resection			
EXCLUDE: All resections for malignancy or suspected malignancy, other than prostatic and bladder tumour chippings			

Declaration

I declare that I have satisfactorily completed the genitourinary module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed …… Date ……

I declare that …… has satisfactorily completed the genitourinary module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed (supervising pathologist) …… Date ……

OPTIONAL MODULE 9 HAEMATOLYMPHOID	Date Started	Date Completed	Signature of designated supervisor
Knows, understands and is competent in: How to safely dissect all specimen types within the haematolymphoid module The recognition and orientation of the organs, components and/or tissues in the haematolymphoid module including the size, weight, colour, shape and appearance of commonly seen specimens received from or of them, and their associated pathology The recognition and labelling more specific areas of each organ and/or tissue, and their anatomical relationship to each other, other organs and tissues, relating structure to function The distribution of lymph nodes throughout the body, the major groups of lymph nodes and the areas of the body they drain **The following specimens and associated pathology:** **Specimen types** • fresh • fixed • isolated • block dissection **Spleen** • Thrombocytopaenia • Trauma • Haemangioma, cyst			

OPTIONAL MODULE 9 continued HAEMATOLYMPHOID	Date Started	Date Completed	Signature of designated supervisor
Lymph nodes • Lymphoid hyperplasia • Lymphoid neoplasia • Infections affecting lymph nodes e.g. tuberculosis, toxoplasmosis • Lymphadenitis e.g. Kikuchi's, granulomatous (e.g. sarcoid) **Bone marrow trephines** • Normal appearance • Infections • Amyloidosis • Immune thrombocytopaenia purpura • Anaemias and aplasias • Myelodysplastic syndromes • Bone disorders			

Declaration

I declare that I have satisfactorily completed the haematolymphoid module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed …… Date ……

I declare that …… has satisfactorily completed the haematolymphoid module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed (supervising pathologist) …… Date ……

OPTIONAL MODULE 10 NEUROMUSCULAR	Date Started	Date Completed	Signature of designated supervisor
Knows, understands and is competent in: How to safely dissect all specimen types within the neuromuscular module The recognition and orientation of the organs, components and/or tissues in the neuromuscular module including the size, weight, colour, shape and appearance of commonly seen specimens received from or of them, and their associated pathology The recognition and labelling more specific areas of each organ and/or tissue, and their anatomical relationship to each other, other organs and tissues, relating structure to function The main muscle groups of the body and how muscle groups work together The different fibre types of muscle The specific requirements when sampling nerve and muscle biopsy specimens **The following specimens and associated pathology:** **Nerve Biopsies**			

OPTIONAL MODULE 10 continued NEUROMUSCULAR	Date Started	Date Completed	Signature of designated supervisor
Nerve Tissue • Neuroma • Schwannoma • Neurofibroma • Other tumours of nervous origin e.g. paraganglioma **Brain biopsies** **Muscle biopsies** (exclude enzyme studies, dystrophies, neurogenic disease and myopathies)			

Declaration

I declare that I have satisfactorily completed the neuromuscular module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed …… Date ……

I declare that …… has satisfactorily completed the neuromuscular module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed (supervising pathologist) …… Date ……

OPTIONAL MODULE 11 HEAD AND NECK	Date Started	Date Completed	Signature of designated supervisor
How to safely dissect all specimen types within the head and neck module The recognition and orientation of the organs, components and/or tissues in the head and neck module including the size, weight, colour, shape and appearance of commonly seen specimens received from or of them, and their associated pathology The recognition and labelling more specific areas of each organ and/or tissue, and their anatomical relationship to each other, other organs and tissues, relating structure to function **The following specimens and associated pathology:** **Ear, nose and throat** • Ear: simple skin lesions, gouty tophus, chondrodermatitis nodularis helicis, fungal otitis, cholesteatoma, cholesterol granuloma, otitis media, glomus tumour • Nose and sinuses: septal perforation/ulceration, Wegener's granulomatosis, haemangioma, sinonasal polyps, fungal infection • Larynx: simple polyp/Singer's node, cyst, hyperkeratosis, amyloid, Reinke's oedema, epithelial dysplasia/carcinoma in-situ • Pharynx: adenoids, biopsies from ulcerated/mass lesions in oropharynx or post nasal space • Tonsillar tissue; tonsillitis, abscess, actinomycosis			

OPTIONAL MODULE 11 HEAD AND NECK continued	Date Started	Date Completed	Signature of designated supervisor
• Thyroglossal cysts • Salivary gland non-tumour: calculus, cyst, sialadenitis (non-specific, Sjogren's), abscess • Nasal polyps (inflammatory/allergic/epithelial) **Dental** • Odontogenic cysts • Mucocoele • Mucosal biopsies (non-neoplastic) • Fibroepithelial polyps • Epulides			
EXCLUDE: All malignant or suspected malignant resections			

Declaration

I declare that I have satisfactorily completed the head and neck module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed …… Date ……

I declare that …… has satisfactorily completed the head and neck module for the Diploma of Expert Practice in Histological Dissection as required by the Institute of Biomedical Science and the Royal College of Pathologists

Signed (supervising pathologist) …… Date ……