

One Day Workshops in Non-Gynaecological Cytology

Preparation and Cytology of Urinary Tract, Respiratory Tract & Serous Cavities

Course Ref: NG-INTRO-0626

Dates: 22nd, 23rd & 24th June 2026

Venue: Wakefield

Further information and application forms for any of our courses are available from our Administration Team:

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Administration:

Wakefield

Lindsay Owen 0113 246 6330 sht-tr.nepsec@nhs.net

www.nepsec.org.uk

Director: Dr P Kitsanta, MBA, PgCert, FRCPath
Training Centre Manager: Peter Heptinstall PgCert Msc CSci FIBMS CT-IAC

Preparation and Cytology of Urinary Tract, Respiratory Tract and Serous Cavities

A one-, two- or three-day course targeted towards those working towards completion of the Institute of Biomedical Sciences Specialist Portfolio in Diagnostic Cytopathology, or ideal for anyone new to the discipline wishing to obtain an introduction to general diagnostic cytology practice. The course will cover elements of the basic principles and practice of diagnostic cytology including sample preparation, fixation, staining and ancillary testing as well as covering the basic cell morphology associated with samples collected from the urinary tract, respiratory tract and from serous fluids.

More experienced staff may prefer our separate update diagnostic cytology course:
<http://www.nepsec.org.uk/courses/non-gynaecological-cytology/expert-practice-in-non-gynaecological-cytology/>

Course Faculty

Sue Saiger MSc, FIBMS, CSci and Advanced BMS Practitioner in Diagnostic Cytology. Based at the James Cook University Hospital, Middlesbrough (Tees Valley Pathology)

I have over 39 years of experience working in cytology, initially in cervical screening, before moving to full time in non-gynae or diagnostic cytology primary screening and reporting in the 1990's. I hold the Diploma of Expert Practice and the Advanced Specialist Diploma in Diagnostic Cytology, obtaining my role as an Advanced Practitioner in 2023. I am passionate about cell morphology and the development of others through training and education, and I am currently the NEPSEC facilitator for diagnostic cytology training. My experience includes working in the private sector where I supported local laboratories across the Northeast & Yorkshire region during gynae LBC rollout as the Regional Support Manager for the SurePath system. Before that I was the cytology training officer employed by Durham and Teesside Workforce Confederation supporting a novel supernumerary cytology trainee Scheme across the patch. I feel these introductory and refresher courses are invaluable for wetting the appetite of biomedical scientists and trainees looking to begin, adapt or extend their career into diagnostic cytology.

At the end of the **Urinary Tract** session individuals should have knowledge and understanding of:

- The anatomy, histology and physiology of the urinary tract
- Investigative methods used in diagnosing urinary tract disease
- Methods of sample collection
- The PARIS System for Reporting Urinary Cytology
- Normal and reactive cytological features of urine samples
- The appearance of contaminants and artefacts
- The appearance and significance of the presence of crystals and casts in urine
- The appearance and/or cytopathic effects of urinary tract infections
- The cytomorphological features of neoplastic disease and malignancy
- Iatrogenic changes in urinary tract
- Ancillary testing on urine samples
- Be aware of the grading criteria of papillary carcinoma
- Be aware of diagnostic pitfalls

At the end of the **Respiratory Tract** session individuals should have knowledge and understanding of:

- The anatomy, histology and physiology of the respiratory tract
- Disease processes affecting the respiratory tract
- Understand investigative methods used in respiratory tract disease
- Specimen collection methods
- The criteria for assessing the adequacy of samples
- The normal cytological features of sputum, bronchial washings, brushings and lavages
- The cytological features of contaminants and artefacts including those related to treatment of disease
- The cytological features and cytopathic effects of respiratory tract infections
- Be aware of the role of cytology in non-neoplastic pulmonary disease
- Know and recognise the cytological appearances of malignancy
- Be aware of diagnostic pitfalls.

At the end of the **Serous Cavities** session individuals should have knowledge and understanding of:

- The anatomy, histology and physiology of body cavities
- The methods for collection and preparation of serous effusions
- Be aware of the process and significance of serous effusion formation and associated clinical conditions
- International System for Reporting Serous Fluid Cytopathology
- The normal and reactive cytological features of effusions
- The cytomorphological features of malignant mesothelioma and metastatic disease
- The importance of ancillary testing
- Differential diagnoses and potential diagnostic pitfalls

COURSE PROGRAMME

Day One

General Diagnostic Cytology & The Urinary Tract

This workshop covers the role of diagnostic cytology in the diagnosis of malignancy and its associated limitations and routine sample preparation techniques. On completion of this workshop students should be aware of the range of preparatory techniques available and understand the importance of correct sampling. They will also understand the use of routine, specialised and ancillary preparation and staining methods.

9.15	Coffee & Registration
9.30	Lecture – Collection & preparation staining, specialised & ancillary methods of non-cervical samples
10.45	Coffee

Urinary Tract Cytology

On completion of this workshop students should be aware of the range of specimens collected for assessment, sample adequacy and be able to recognise the difference between normal, reactive and malignant cells as well as common artefacts, contaminants and infective agents.

11.15	Lecture - Collection, preparation and morphology
12.00	Lunch
13.00	Multi-header session – Normal v abnormal
13.30	Workshop
15.00	Coffee
15.15	Self-assessment sets
16.00	Multi-header review of self- assessment & workshop slides
16.30	Review of Day/Learning Outcomes
17.00	Finish

Workshop slides will be available for review until 6.00pm if students wish to stay.

Day Two

Respiratory Tract Cytology

On completion of this workshop students should be aware of the range of specimen collection techniques available and be able to recognise the difference between normal, reactive and malignant cells as well as common artefacts, contaminants and infective agents.

9.15	Coffee & Registration
9.30	Lecture – Collection, preparation & morphology
10.30	Coffee
10.45	Multi-header session – Normal v abnormal
12.00	Lunch
13.00	Workshop
14.30	Self-assessment sets
15.30	Coffee
15.45	Multi-header review of self- assessment sets
16.30	Review of Day/Learning Outcomes
17.00	Finish

Workshop slides will be available for review until 6.00pm if students wish to stay.

Day Three

Serous Cavities

On completion of this workshop students should be aware of the range of preparatory techniques available and be able to recognise the difference between normal, reactive and malignant cells.

9.15	Coffee & Registration
9.30	Lecture – Collection, preparation & morphology & Immunocytochemistry
10.30	Coffee
10.45	Multi-header session – Normal v abnormal
12.00	Lunch
13.00	Workshop
14.30	Self-assessment sets
15.30	Coffee
15.45	Multi-header review of self- assessment sets
16.30	Review of Day/Learning Outcomes
17.00	Finish

Workshop slides will be available for review until 6.00pm if students wish to stay.

Cost:

NHS Participants attending from the North West, North East, Yorkshire West Midlands and East Midlands regions will incur a £15 per day administration fee only.

Others: £120 per day

Lunch, tea & coffee are included

Further details and an application form are available from our administration team:

Email: sht-tr.nepsec@nhs.net

Tel: Wakefield: 0113 246 6330

Venue:

This course is operated from our Wakefield site.

Wakefield: *NEPSEC Unit 3 Wakefield Office Village, Fryers Way, Silkwood Park, Wakefield, WF 59TJ*

The centre is situated in a commercial site in Silkwood Park close to Junction 40 of the M1. We are 20 miles from Leeds Bradford airport, 13 miles from Leeds City railway station and just **2** miles from both Wakefield railway stations. Should it be required excellent accommodation is available adjacent to the Training Centre at the Ramada Hotel:

<http://www.ramada.co.uk/hotels/united-kingdom/yorkshire/ramada-wakefield/hotel-overview>

Rates are available from just £53 and might be cheaper on the various commercial sites.