

One Day Workshops in Non-Gynaecological Cytology

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

Wakefield Site: 18th - 20th April 2018
17th - 19th October 2018

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

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

A one or two day course ideal for anyone completing their Specialist Diploma in Cytopathology, but equally suitable for non-medical staff new to diagnostic cytology and wishing to gain experience in non-gynaecological cytology.

Experienced staff may prefer our other non gynae course: <http://www.nepsec.org.uk/courses/non-gynaecological-cytology/expert-practice-in-non-gynaecological-cytology/>

The course covers sample collection and preparation techniques, serous fluids, urine and respiratory cytology and will include lectures, workshops, multi-header sessions and self-assessment elements.

Dr J Diane Hemming. Consultant Cellular Pathologist, Queen Elizabeth Hospital, Gateshead

I have been a Consultant Cellular Pathologist since 1988 and have worked at the Queen Elizabeth Hospital, Gateshead since 1998 and retired in 2016. I have always had a special interest in both Gynae and non-Gynae cytology and have run workshops and given lectures for biomedical scientists, medical staff and trainee medical staff over the years. My approach is that of a DGH pathologist on a mission to demystify cytology. Hopefully the workshops (some of which are run as a double act with my BMS 4 colleague, Trudy Johnson) will demonstrate a practical approach to interpreting cytology, underline first principles and address the uses and limitations of cytology in different clinical settings.

Trudy Johnson. Cellular Pathology Departmental Manager. Q E Hospital, Gateshead

I am the Cellular Pathology Laboratory Manager at Gateshead Health NHS Foundation Trust and have worked in this field for 30 years and have a passion for Non-Gynaecological cytology. In 2007 I passed the IBMS Diploma of Expert Practice in Non-Gynaecological Cytology. This allows me to report negative diagnostic material in the areas covered in our workshops. I am very keen to share my knowledge and experience with others and have been actively involved in teaching non-gynaecological cytology for a number of years. Together with Dr Diane Hemming, retired consultant pathologist, we have run Non-Gynaecological courses for Biomedical Scientists at both East Pennine and Birmingham Training schools. The workshops are an introduction to preparation and screening in non-gynaecological cytology and should provide a good basic understanding for beginners and a re-assuring refresher for experienced screeners.

At the end of the **Urinary Tract** session individuals should:

- Understand the anatomy, histology and physiology of the urinary tract
- Understand investigative methods used in diagnosing urinary tract disease
- Understand the methods of sample collection
- Know the appearance of contaminants and artefacts
- Know the normal cytological features of urine samples
- Know the appearance and significance of the presence of crystals and casts in urine
- Know the appearance and/or cytopathic effects of urinary tract infections
- Understand iatrogenic changes in urinary tract
- Understand the cytomorphological features of neoplastic disease and malignancy
- Be aware of the grading criteria of papillary carcinoma
- Be aware of diagnostic pitfalls

At the end of the **Serous Cavities session** individuals should:

- Understand the anatomy, histology and physiology of body cavities
- Know the methods for collection and preparation of serous effusions
- Be aware of the process and significance of serous effusion formation and associated clinical conditions
- Know the normal cytological features of effusions
- Know and recognise the cytological features associated with reactive changes in serous effusions
- Understand the cytomorphological features of malignancy
- Know and recognise the cytological features of metastatic disease in serous effusions
- Know and recognise the significant features associated with malignant mesothelioma and methods of confirmation
- Understand differential diagnoses and potential diagnostic pitfalls

At the end of the **Respiratory Tract** session individuals should:

- Understand the anatomy, histology and physiology of the respiratory tract
- Understand the disease processes affecting the respiratory tract
- Understand investigative methods used in respiratory tract disease
- Understand the criteria for assessing the adequacy of samples
- Know the normal cytological features of sputum, bronchial washings, brushings and lavages
- Know the cytological features of contaminants and artefacts including those related to treatment of disease
- Know 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.

COURSE PROGRAMME

Day One General Non-cervical Cytology & Urinary Tract – Trudy Johnson

General Non-cervical Cytology

This workshop covers Section 7A.2a General Non-cervical Cytology in the Specialist Portfolio in Cytopathology. On completion of this workshop students should be aware of the range of preparatory techniques available and understand the importance of correct sampling. Understand how to prepare all types of non-cervical samples using a variety of concentration methods, air drying or fixing as appropriate and understand the use of routine, specialised and ancillary methods.

9.15 am Coffee & Registration

9.30 am **Lecture – Collection & preparation staining, specialised & ancillary methods of non-cervical samples**

10.45 am **Coffee**

Urinary Tract Cytology

This workshop covers Section 7A.2b Respiratory Tract in the Specialist Portfolio in Cytopathology. On completion of this workshop students should be aware of the range of preparatory techniques available and be able to recognise common artefacts, contaminants and infective agents. They should also be able to recognise the difference between normal, reactive and malignant cells.

11.15 pm **Lecture - Collection, preparation and morphology**

12.00 am **Lunch**

13.00 pm **Multi-header session – Normal v abnormal**

13.30 pm **Workshop**

15.00 pm **Coffee**

15.15 pm **Self-assessment sets**

16.00 pm **Multi-header review of self- assessment & workshop slides**

16.30 **Review of Day/Learning Outcomes**

17.00 pm **Finish**

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

Day Two Serous Cavities – Dr Diane Hemming

This workshop covers Section 7A.2d Serous Cavities in the Specialist Portfolio in Cytopathology. 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 am Coffee & Registration

9.30 am Lecture – Collection, preparation & morphology & Immunocytochemistry

10.30 am Coffee

10.45 am Multi-header session – Normal v abnormal

12.00 am Lunch

13.00 pm Workshop

14.30 pm Self-assessment sets

15.30 pm Coffee

15.45 pm Multi-header review of self- assessment sets

16.30 Review of Day/Learning Outcomes

17.00 pm Finish

Day Three Respiratory Tract – Dr Diane Hemming

This workshop covers Section 7A.2b Respiratory Tract in the Specialist Portfolio in Cytopathology. On completion of this workshop students should be aware of the range of collection techniques available and be able to recognise common artefacts, contaminants and infective agents. They should also be able to recognise the difference between normal, reactive and malignant cells.

9.15 am Coffee & Registration

9.30 am Lecture – Collection, preparation & morphology

10.30 am Coffee

10.45 am Multi-header session – Normal v abnormal

12.00 am Lunch

13.00 pm Workshop

14.30 pm Self-assessment sets

15.30 pm Coffee

15.45 pm Multi-header review of self- assessment sets

16.30 Review of Day/Learning Outcomes

17.00 pm 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 and East Midlands regions will incur a £15 administration fee only

Other: £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

Manchester: 0161 276 8804

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.