Lab/pathology Experience Log for GU Medicine HSTs

Day/ session	Site	Date	Supervisor Signature/Grade	Notes*
1	*RD+E*	*25.10.2009*	x	Eg Observation of molecular lab, culture bench, observation and discussion around storage and transport of specimens, lab SOPs
2				
3				
4				
5				

*See Rough Guide page 36-37; an indicative week-long attachment (or equivalent) would usually suffice to meet required lab-based competencies

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Learning outcomes for Laboratory Pathology training

The resident will be able to:

- explain the fundamental characteristics of test performance, including sensitivity and specificity; positive predictive value and negative predictive value and is able to make simple calculations of these from data
- explain the advantages and disadvantages of introducing a screening test to contrasting populations, including the merits of register based vs. opportunistic screening, evaluation of screening, using actual or proposed examples in sexual health
- explain antigen and antibody tests, DNA amplification techniques and their advantages and limitations. Correctly interpret NAATs and serological tests, including equivocal tests and explain results to patients and junior colleagues
- explain the range of laboratory tests for gonorrhoea, chlamydia, LGV, mycoplasma, syphilis, trichomonas, chancroid, donovanosis, candida, bacterial vaginosis, HIV, HSV, HPV, and Hepatitis A/B/C. To include microscopy, point of care tests, culture, NAATs, serology
- understand need for confirmation by same or different tests and timescale for results
- explain which sites to sample, storage of specimens and transfer time to lab. Describe time frame to positive result from infection and to negative result post treatment

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