104 White Blood Cell Identification: A Novel Trainer and Competency Assessment Tool

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Do you have confidence in your lab's ability to identify white blood cells? Studies show that aggressive assessment will find improvement opportunities but do you have the tools to assess your staff? This session presents a home-built, electronic assessment and training tool to identify performance gaps in novices, practitioners and hematology teachers at accredited schools. The tool can be created using consumer-level products and participants will be shown how to do so. Participants will be able to test their skills with a set of in-session examples.

- Describe the need for tools that train and provide performance feedback in visual perceptual motor skills necessary for competent practice.
- Discuss the elements of photography systems for collecting images and movies that can be used to create training modules.
- Describe a system for training and assessing competence and apply the system to improve your staff’s performance.

FACULTY:

Daniel Haun MT(ASCP)

Lab Technicians or Technologists
Education Best Practices
Education Best Practices
1.0 CME/CMLE Credit

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A Novel Trainer and Competency Assessment Tool

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**Faculty/Author/Speaker Disclosure**
The faculty/speakers for this live session do not have relevant financial relationships with commercial interests to disclose.

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**You will leave with the ability to:**

Describe the need for tools that train and provide performance feedback in visual perceptual motor skills necessary for competent practice.

Discuss the elements of photography systems for collecting images and movies that can be used to create training modules.

Describe a system for training and assessing competence and apply the system to improve your staff's performance.
Expertise

Giftedness and evidence for reproducibly superior performance: an account based on the expert performance framework
K. Anders Ericsson, Roy W. Roring and Kiruthiga Nandagopal
Florida State University, USA

Deliberate Practice
and the Acquisition and Maintenance of Expert Performance in Medicine and Related Domains
10,000 hours

Academic Medicine, 79:10, October Supplement, 2004
“living in a cave does not make you a geologist”

“When most people practice, they focus on the things they already know how to do. Deliberate practice is different. It entails considerable, specific, and sustained efforts to do something you can’t do well—or even at all.”

Butterworth and Reppert, JAMA 1980

Competency improvement

Compliance with policy and procedure
Microscopy competency
Clinical and procedural knowledge

Do you really want a “C” student working on your mother?
We need experts

and not just in flow cytometry
and molecular pathology.
The use of Cellavision competency software for external quality assessment and continuing professional development
Yuki Horucka,1 Yoko Tabara,1 Misumi Ida,1 Hans-Ingvar Bengtsson,2 Kayoshi Ishii,2 Takashi Hori,2 Kazunori Miyake,2 Naokiko Sano,2 Yasuhiro Matoba,1 Akimichi Chikuda1

Results EQA results by the CCS proficiency testing program revealed a difference of performance levels of WBC Differential and morphological interpretation and a discrepancy in the WBC differential criteria among laboratories. With regard to the utilisation of this proficiency program as a tool for CPD, this program was essentially improved the performance of the participating laboratories and less experienced individuals.

Conclusions The CCS proficiency testing program was useful for the quality assessment of laboratory performance, for education, and for the storage and distribution of cell images to be utilised for further standardisation and education.

The use of digital 'virtual slides' in the quality assessment of haematological morphology: results of a pilot exercise involving UK NEQAS(H) participants
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Summary We report the results of a pilot study examining the use of digital virtual slides in haematological quality assessment. Conducted together with the UK National External Quality Assessment Scheme for haematology, the study involved 16 separate participants, using the format of a typical assessment exercise. The study provided substantial concordance of observers with those reported in previous glass slide surveys (i.e. and clinical cases. Participant feedback was positive for use of digital slides in tracking and assessment. Our results support the use of digital virtual slides for routine quality assessment in haematology laboratories in the UK.

Keywords: external quality assessment, digital morphology, virtual slides, UK National External Quality Assessment Scheme, morphology.