

Stellingen behorende bij het proefschrift:

From Manual Microscopy to Automated Cell Counters for First Line Screening of Body Fluids

*“But not without a special *body fluid mode*”*

C.K.A. Fleming

1. The XN-hsA mode is the first automated analyser in which CSF samples can be reliably screened for infection parameters. (this thesis)
2. Flow cytometry technique outperformed the impedance technique for counting RBCs in the low concentration ranges. (this thesis)
3. In inflamed body fluids, doubtful automated results such as abnormal scatterplots, suspected interferences or many large cells should always be followed up by manual/digital microscopy to reveal the cause. (this thesis)
4. Large cells such as macrophages and mesothelial cells interfere with the WBC count on the UF-1000i body fluid mode. (this thesis)
5. Sysmex's analyzers containing a dedicated body fluid mode can replace manual microscopy for first line screening of body fluids. (this thesis)
6. The introduction of body fluid modes offers the potential to improve accuracy and reporting of body fluid cell counts and differential counts, and to standardize performance, which will make these results more clinically useful. (Sandhaus et al., 2015)
7. Medical laboratories should rely more on those technologies that enable them to do more with less, and to do so with the highest possible quality. (Laboratory Automation: Important Considerations by Dave Hickey, 2012)
8. After all, if you can't trust your measurement system, then you can't trust the data that it produces. (unknown)
9. An author, who is willing to take credit for a paper, must also bear responsibility for its contents. *On Being a Scientist: Responsible Conduct in Research (2nd edition, 1995)*
10. You don't have to be better than everybody else. You should strive to be better than you ever thought you could be. (Ken Venturi)
11. I can't change the direction of the wind, but I can adjust my sails to always reach my destination. (Jimmy Dean)