

Flexible Endoscopes Webinar

September 3, 2020

Q&A

1. Colette Ouellet: Hello. Thank you for this excellent presentation. I'm sorry if I missed this, but are there well described criteria or standards for ATP measurements to determine what is an acceptable level and what is not following HLD of the endoscope? Also, do you recommend a specific tool for competency assessment for endoscope reprocessing teams?

Thank you Colette for this important question, CSA Z314-18 in sections 12.4.7.2.4 and 12.4.10.3 recommends using ATP, however it does not define thresholds. AAMI-ST91-2015 mentions "...the average levels of soil markers in the suction biopsy channel are as follows: protein, <6.4 µg/cm², carbohydrate, <1.8 µg/cm², hemoglobin, <2.2 µg/cm², sodium ion, <1 µmole/cm², endotoxin, <2.2 EU/cm², bioburden, < 4 log₁₀ CFU/cm² and 200 RLU for ATP (Alfa 2002, Alfa 2012, Alfa 2013)." There are also several clinical studies published in peer-reviewed journal that have recommended thresholds.

Also please note that Different ATP manufacturers use different scales, therefore the threshold will be different for different manufacturers.

Regrading tools, please first check your facility's policies. Some organizations have developed a checklist, for example Public Health Ontario (PHO) has developed a checklist for endoscopy in Clinical Office Practice based on content from Provincial Infectious Disease Advisory Committee's (PIDAC), (2nd revision 2019) it can be found from the link below:

<https://www.publichealthontario.ca/-/media/documents/c/2019/checklist-clinical-office-endoscopy.pdf?la=en>

2. Sindhu Pillai: What are the PPE requirements for reprocessing scopes and at what steps in the reprocessing scopes the gloves need to be changed? Thanks so much for the great presentation!

Thank you Sindhu for great question, It is important that you check the policies followed in your facility, as I have noticed differences in different places that I have visited, different provincial regulations/recommendations might apply. Also it is important to follow MIFU as well regarding the required PPE. Guidelines mentions PPE should be selected based on assessment of the potential for exposure based on the task to be performed. You can refer to AAMI-ST91-2015

section 4.6.2, it mentions gloves that prevent contact with contaminated water, liquid resistant covering with sleeves(gown), fluid resistant face mask and eye protection. It also requires fresh PPE in Pre-clean, leak testing, manual clean and disinfection.