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INSTAND

Academy

Report on Online-Training
Group 901
Preanalytics

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INSTAND e.V.
Society for Promoting
Quality Assurance
in Medical Laboratories e.V.

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Explanation for the evaluation

In addition to the documents sent to you by mail, you can obtain further information on the training performed here.

Certificate

Each participant receives a certificate of participation and the evaluation. If you reach 60% of the points, you have passed the training and will receive a certificate.

General overview

Here we list the total number of participants, the total pass rate, and the average percentage points achieved.

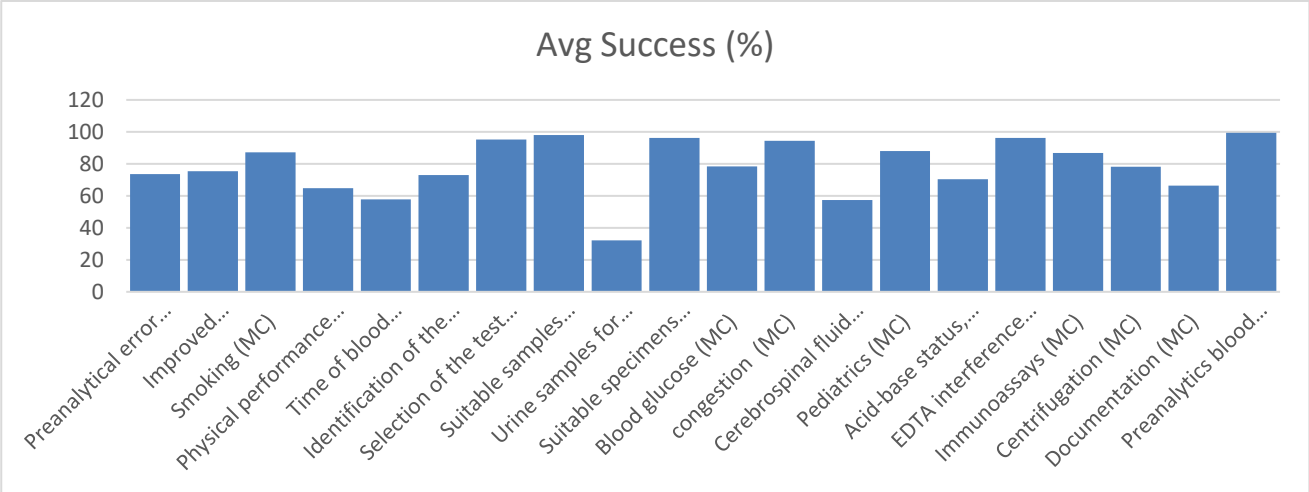
Summary table

Preanalytics April 2023 overview

	result
Number of participants	54
Passed (>60 %)	47 (87 %)
Not passed	7 (13 %)

Statistics of the individual tasks

Card	Avg Success (%)
Preanalytical error rate (MC)	73,58
Improved measurement parameters (MC)	75,47
Smoking (MC)	87,17
Physical performance (MC)	64,78
Time of blood collection (MC)	57,86
Identification of the samples (MC)	73,05
Selection of the test tubes (MC)	95,28
Suitable samples (Zuordnung)	98,11
Urine samples for albumin determination (MC)	32,08
Suitable specimens (Zuordnung)	96,23
Blood glucose (MC)	78,49
congestion (MC)	94,34
Cerebrospinal fluid (MC)	57,36
Pediatrics (MC)	87,92
Acid-base status, blood gases (MC)	70,44
EDTA interference (MC)	96,23
Immunoassays (MC)	86,79
Centrifugation (MC)	78,3
Documentation (MC)	66,42
Preanalytics blood culture (MC)	99,37



Training materials

For this training, tasks were provided as an online questionnaire and as a PDF. The tasks were compiled with the collaboration of the above-mentioned expert and the solutions were released by him. Participants were able to view the solutions immediately after completing each task and download the entire training with all tasks and solutions as a PDF after submitting the training.

Solutions and assessment scheme

The questions are multiple- and single-choice types as well as mapping tasks. For multiple-choice and mapping tasks, the participant receives 1 point if all correct answers are selected. If not all answers were answered correctly, the points are calculated by dividing the difference between the number of correct and the number of incorrect answers by the number of possible answers. In single-choice tasks, either 1 or 0 points can be achieved.

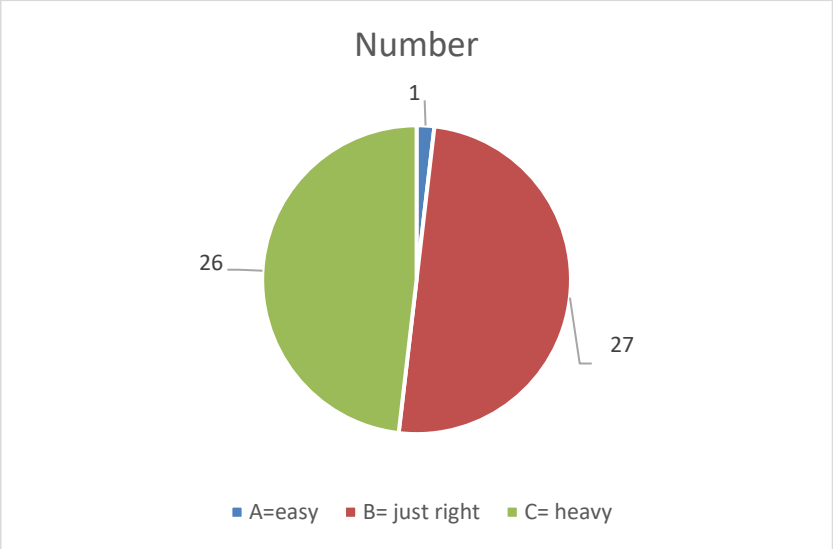
At least 60 % (12) of the maximum possible points (20) had to be achieved in order to receive a certificate of successful participation.

Comment

Dear participants,
the current online training course "Preanalytics" is aimed at MTL and laboratory managers. 54 participants took part in this training. We would like to thank all participants for their commitment.

With a pass rate of 87 %, this training shows a better pass rate than the training in November 2022 (74 %). The mean total score achieved by participants increased from 13,9 out of 20 points (69,7 % of total points) to 15,69 out of 20 points (78,5 % of total points) compared to the November training.

Rating of the questions preanalytics November (901) by the participants



In this training, some partially modified questions were used that had been asked before and caused great difficulties for the participants. In this way, on the one hand, it would be possible to estimate the learning effect, and on the other hand, it would also be possible to refer to more current literature. Please refer to the solutions of the individual questions. This format is primarily for continuing education, so participants who did not achieve 60 % this time should not be discouraged at all!

The following question posed particular problems:

The question of determining albuminuria has been raised several times and continues to encounter difficulties. If creatinine is determined in the urine at the same time, morning urine can be used. Spontaneous urine obtained independently of the time of day is not recommended because its substance concentrations and composition depend on too many factors during the course of the day, and thus both false negative and false positive results can result (Kouri T, Fogazzi G, Gant V et al. European Urinalysis Guide-lines. Scand J Clin Lab Invest 2000;60:Suppl 231). Results obtained in these urine specimens should be confirmed in the morning urine.