

#180 - THE ARGENTINA BRIEF COLONOSCOPY DIFFICULTY SCORE (ABCD): VALI-DATION OF A NOVEL AND OBJECTIVE ESTIMATION TOOL FOR COLONOSCOPY DIF-FICULTY. A NATIONAL MULTICENTRE REGISTRY.

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BACKGROUND: A high-quality colonoscopy is essential to avoid unadvertised adenomas. It includes caecal intubation (CI), which can be a challenge. Endoscopists require often progressive manoeuvres: *abdominal compression* (A), *body rotation* (B) or *change of endoscopist* (C). Failure carries to *declined CI* (D). A >10-min caecal intubation time (CIT) is a usual trial endpoint for colonoscopy difficulty, but it does not communicate manoeuvres.

AIM: To estimate the profitability of a novel colonoscopy difficulty score vs >10-min CIT.

METHODS: A national, multicentre, cross-section study (May'2022-Jun'2023). Expert endoscopists developed the "*Argentina Brief Colonoscopy Difficulty*" score (ABCD), based on manoeuvres A/B/C; or D as very high difficulty (**figure 1**). Data was prospectively recovered by 14 centres. ABCD and >10-min CIT were compared through an ordinal regression model and through a binary regression model. Both multivariate models were nested in the participating centres (NCT05422820).

RESULTS: 4511 colonoscopies: 58 yo (IQR 50-68), 53.4% women. ABCD score: 42.7% null, 30.3% low, 11.1% intermediate, 11.9% high and 3.9% very high difficulty. In 18.5% the endoscopist was in training (<400 colonoscopies). Only 8% of very high-difficulty colonoscopies were performed in training (P<.001). A second endoscopist was required in 4.6%. A higher ABCD was associated with older age (P<.001), female (P<.001), lower BMI (P<.05), prior declined CI (P<.001), and poor BBPS (P<.001). A >10-min CIT was associated only with four of the eight previous characteristics and hernia (P<.001).

CONCLUSIONS: Compared to >10-min CIT, the ABCD demonstrated high profitability in terms of a significant association with characteristics related to colonoscopy difficulty. The ABCD constitutes a quality indicator advisable to communicate in every colonoscopy report.

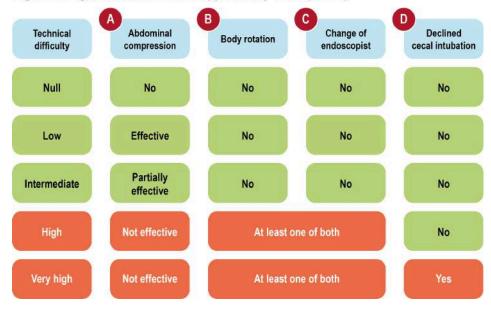


Figure 1. Argentina Brief Colonoscopy Difficulty score (ABCD).



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