Feasibility and tolerability of self-insertion of a transnasal tube for esophagogastroduodenoscopy: a pilot study

Before the intervention

- During the consult, it is suggested to the patient that he/she participate in the self-insertion procedure.
- The entire process is explained.
- The patient gives consent for the self-insertion procedure, in particular agreeing to look at his/her anatomy on a dedicated screen throughout the procedure.

Perioperative period

- The room and the patient are prepared for the procedure, and the patient is seated or half-seated facing a screen.
- Local anesthesia (nose and mouth) is given.
- The entire procedure is reviewed with the patient (anatomy, difficult steps of the procedure).
- The physician builds the patient’s confidence.
- The patient agrees to follow all instructions.
- The patient self-inserts the tube.
- The physician explains the anatomy that the patient sees on the screen.
- The physician coaches the patient throughout the procedure, providing instructions (e.g., “go forward,” “stop,” “slowly”) and support.

After the intervention

- The patient is given the results of the examination.
- The tolerability is assessed, and the patient’s feelings about the self-insertion procedure are discussed.

Self-insertion of the tube was planned for seven patients, and they completed the entire procedure successfully (Video 1). The process took longer than classic endoscopy, but patient tolerance was excellent, and there were no cases of nausea or vomiting. Three patients did not complete the entire self-insertion procedure. It was impossible to introduce the tube transnasally for anatomical reasons in one patient, who therefore underwent a classic endoscopic procedure; another patient completed the procedure but with poor tolerance, probably because she did not follow the examination on the screen and, with eyes closed, only listened to the instructions given by the physician. The last patient refused at first to use the self-insertion technique because of previous aesthetic nose surgery. When the classic endoscopic procedure had to be stopped because of nausea and vomiting, the new technique was again suggested; she agreed this time, and the procedure was a complete success. All patients were extremely satisfied and agreed to self-insert the tube again if another examination were to become necessary.

Self-insertion of a transnasal tube for diagnostic EGD is feasible if patients can accept the idea of viewing their own anatomy. The procedure is extremely well tolerated and may decrease patients’ pain and discomfort.

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Reference

Bibliography
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