A Safety, Cheap and Easy Technique to Perform
Endoscopic Procedures on COVID-19 Times

Augusto Fey1,2, João Vilson Cláudio Teixeira1,2, Gabriela Bernardino Fey3
1. Faculty of Medicine, UNIDAVI, Rio do Sul 89160-932, Brazil.
2. Endoscopy department of the Regional Hospital Alto Vale, Brazil.
3. Medicine student, UNIDAVI.

Corresponding author: Augusto Fey, Ph.D., M.D., senior lecturer, research fields: endoscopy and gastroenterology.

Abstract: It is known that endoscopists are strongly exposed to aerolization during endoscopic procedures and therefore subject to high levels of contamination by the Corona Virus. This procedure was developed by an endoscopy team, which works in a referral hospital for dealing with the pandemic, in southern Brazil. The technique consists of using a surgical mask on the patient, during the endoscopic procedure, preventing aerolization, as well as the use of gauze, sealing the mouthpiece, when removing the device. It is important to emphasize that this is a complementary technique to the recommendations of the Brazilian Society of Endoscopy, which already has a specific rule for this condition. All images belong to the authors' collection and are authorized for scientific publication by an informed consent form, signed by the patients.

Key words: Endoscopy, COVID-19, safety of endoscopy.

The procedure is described by the following figures:

Fig. 1  Sedated patient with mouth piece only.
A Safety, Cheap and Easy Technique to Perform Endoscopic Procedures on COVID-19 Times

Fig. 2  Putting on the surgical mask.

Fig. 3  Cutting the mask with a scalpel blade.
Fig. 4 Incised surgical mask.

Fig. 5 Device introduction.
Fig. 6  Removal of the device with gauze protection.