EVALUATION OF THE COMPLEXITY AND ITS ASSOCIATION WITH THE PRESENCE OF COMPLICATIONS IN ERCP DURING THE COVID 19 PANDEMIC AT THE "DR. MANUELGEA GONZáLEZ" GENERAL HOSPITAL

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Background: Endoscopic retrograde cholangiopancreatography (ERCP) is an advanced endoscopic technique, with a variety of therapeutic procedures that will depend on the indication and diagnosis of the patient. Few studies evaluate the complexity of the therapeutics used during ERCP and the impact that the Covid 19 pandemic had on the performance of these procedures and the decrease in exposure and training of endoscopists in training. The objective of the study was to describe the complexity of ERCP according to the ASGE classification and its relationship with demographic characteristics and complications during the pandemic.

Methods: A Retrospective, observational study of the electronic registry of patients undergoing ERCP during the years 2019 to 2021 at the General Hospital “Dr.Manuel Gea González” was performed. Comparing the frequencies and means of demographic and procedural variables, as well as the association of the complexity with these variables.

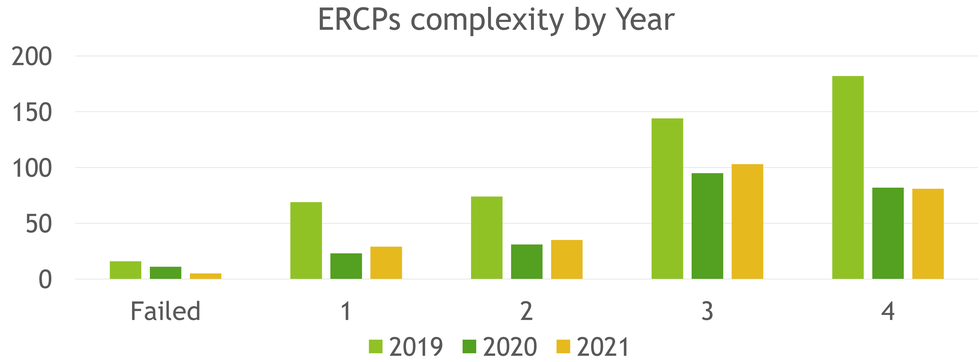
Results: A total of 980 patients were evaluated; 613 (62.55%) women and 367 (37.45%)men, with a mean age of 49.56 years. During 2019, 485 (49.49%) were carried out, 2020(242, 24.69%) and 2021 (253, 25.82%). The most frequent indication for performing ERCP was suspected or already confirmed stone pathology in 699 (71.33%). The most frequent complexity was grade 4 (345, 35.2%), followed by grade 3 (342, 34.9%), grade 2(140, 14.29%), and grade 1 (121, 12.35%); with a success rate of the treatment carried out up to 96.73%. 30 (3.06%) presented complications. No significant difference was found when comparing the complexity according to sex, age, or year performed; nor association of complexity with the presentation of complications.

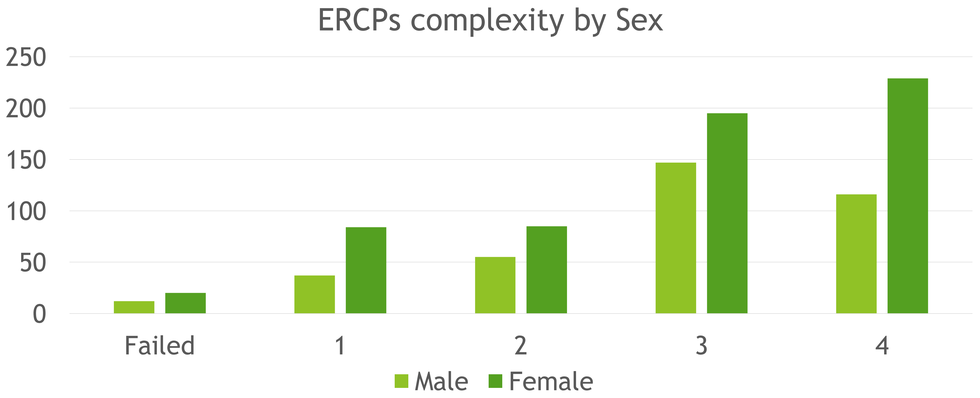
Conclusion: Despite the reduction in the number of procedures, the complexity of ERCP in a referral center like our hospital remained constant despite the pandemic, due to the precise indications that the ERCP has. It is important to highlight that the recognition and classification of the complexity of the ERCP during the training and formation of endoscopists give us the amount of exposure required for the variety of procedures during the formation of our young endoscopists with the aim of avoiding complications. This recognition is also part of the quality criteria proposed internationally.

References
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Total	32 (3.27%)	121 (12.35%)	140 (14.29%)	342 (34.9%)	345 (35.2%)	-
Sex						
Male	12 (3.27%)	37 (10.08%)	55 (14.99%)	147 (40.05%)	116 (31.61%)	0.055
Female	20 (3.26%)	84 (13.7%)	85 (13.87%)	195 (31.81%)	229 (37.36%)	
Year						
2019	16 (3.3%)	69 (14.23%)	74 (15.26%)	144 (29.69%)	182 (37.53%)	0.05
2020	11 (4.55%)	23 (9.5%)	31 (12.81%)	95 (39.26%)	82 (33.88%)	
2021	5 (1.98%)	29 (11.46%)	35 (13.83%)	103 (40.71%)	81 (32.02%)	
Age	60.03 (DS 20.48, 26-91)	45.41 (DS 18.17, 16-94)	50.47 (DS 19.02, 16-98)	50.16 (DS 20.53, 12-98)	49.06 (DS 18.89, 16-95)	0.418