

Welcome to the BOLERO study!

Our study will for the first time evaluate diagnostic consensus amongst a large group of over 50 practicing GI-pathologists.

Before we take you through the online environment, we would quickly like to remind you of our study set-up. We have collected a case series of 55 Barrett's biopsies along the diagnostic spectrum, from non-dysplastic Barrett's esophagus (ND) to low-grade dysplasia (LGD) and high-grade dysplasia (HGD). This latter category includes intramucosal adenocarcinoma. We will ask you to score dysplasia grade for each of these biopsies in our cohort. We have included the possibility to score 'indefinite for dysplasia' (IND) or 'not assessable' if you feel you cannot adequately assess the case at all. For every case we will also ask you how confident you are of your diagnosis and whether you would normally show the case to a colleague for a second opinion. These data are important for us to model the results.

We are keenly interested in the impact of adjunct P53 tests on diagnostic scoring. To emulate the routine diagnostic setting, you will first be shown the standard H&E slide without P53 IHC. After you have saved your answers, a new tab will open which will show you the p53 IHC slide. In this way, we will have a complete record of diagnostic scores, both with and without adjunct p53, which we will be able to correlate to diagnostic confidence and consensus.

All diagnostic entries are collected on case record forms (CRFs). This setup allows us to log your diagnostic scores and automatically compile all study data for downstream statistical analysis. Below we will explain in detail how to navigate the CRF in our online scoring environment. We are confident you will find it easy to work with, but please do get in touch if you run into problems – we want to make sure everyone completes their set of cases!

Before you start your evaluation of the cases you will be asked a series of questions in our baseline questionnaire regarding years of experience, caseload etc. (Part 1 of the instructions below).

Note that you can take a break from scoring, which means you don't have to assess all cases in one session. Just remember to save your work before leaving the online environment.

Lastly, we would like to remind you that all study participants will be co-authors on the papers that are based on the results of this study. You will also be able to claim CME/CPD credits for your time.

Thank you very much in advance for your invaluable help in driving this study!

With kind regards,

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