

ABST-0483

Bile Duct Injury Modules: An Online Educational Discussion On Management And Treatment

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Background : Bile Duct Injury (BDI) is rare, with 0.15-0.35% occurrence following cholecystectomy (1,2,3,4) but often associated with increased mortality rates (4). Severity depends on location of injuries (5,6), which requires accurate and timely diagnosis based on imaging and lab results. Delayed treatment can lead to more severe complications. Current options vary from percutaneous or endoscopic interventions to open surgery (7). Decision-making around treatment and timing of repair is crucial but rarely encountered by most experienced surgeons. Given the complexity of decision-making, the uncommon presentation, and potentially significant complications, BDIs are a topic of educational interest for HPB and general surgeons (8, 9).

Methods : We are developing online educational modules to capture experiences of BDIs through a case library on the IHPBA's myHPB platform. Content includes imaging, video discussions with HPB surgeons and additional international consulting surgeons. We have participation from Italy, Mexico and Canada.

Results : The aim of the modules is not to reach consensus on BDI management but to show the process of surgical judgment as surgeons think through a case and consider options. This process is rarely captured or made available. We may see alternative approaches or differences in reasoning that could add to the depth of considerations. We may also see regional differences in techniques (10). Five cases are being created as a pilot project.

Conclusions : In accessing the collective experience of the HPB community, we hope to showcase engaging discussions of these rarely seen cases that will be of interest to surgical trainees and experts alike.

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