

GASTROENTEROLOGY AND DIGESTIVE DISORDERS

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El Salvador atlas of Gastrointestinal Video Endoscopy online academic site as a learning resource

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Background: El Salvador Atlas of Gastrointestinal Video Endoscopy is an internet based digital video atlas for educational purposes that has been on the web for 18 years with more than 4700 video clips and images. Endoscopy is a visually oriented discipline. Video clips, by virtue of their dynamic nature, provide greater visual detail of gastrointestinal anatomy and pathology than photographic images.

Methods: Endoscopic procedure, endoscopy, enteroscopy, colonoscopy ERCP were digitally captured in real time, edited and correlated with corresponding pathology, radiology and surgery for each completed clip, the final completed clip were rendered in MPEG-1 format and subsequently converted to Real Media for on-demand viewing as streaming video via internet. The user interface is server generated dynamic HTML pages, with relational database system backend.

Conclusion: El Salvador Atlas of Gastrointestinal Video Endoscopy represent internet base, fully digital, educational video atlas of gastroenterology which integrates multiple endoscopic images modalities with relevant surgical, pathological and radiologic data. The substitution of video clips for still images will provide greater educational benefit. El Salvador Atlas of Gastrointestinal Video Endoscopy may represent an educational milestone for the dissemination of knowledge to the practicing physician, trainee and medical students.

Biography

Julio Murra-Saca is the gastroenterologist chief of gastroenterology at Hospital Centro de Emergencias San Salvador, El Salvador working in private practice in a gastrointestinal endoscopy unit performing diagnostic and therapeutic endoscopy. One of his main skills is the management of gastrointestinal bleeding as well as endoscopic resection of giant polyps of the colon. He has great experience in the therapeutic use of argon plasma coagulation in the management of multiple conditions in gastrointestinal endoscopy. He also performs intragastric balloons for obesity with 13 years of experience in this area.

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