
Universidade do Minho
Escola de Engenharia/Departamento de Informática

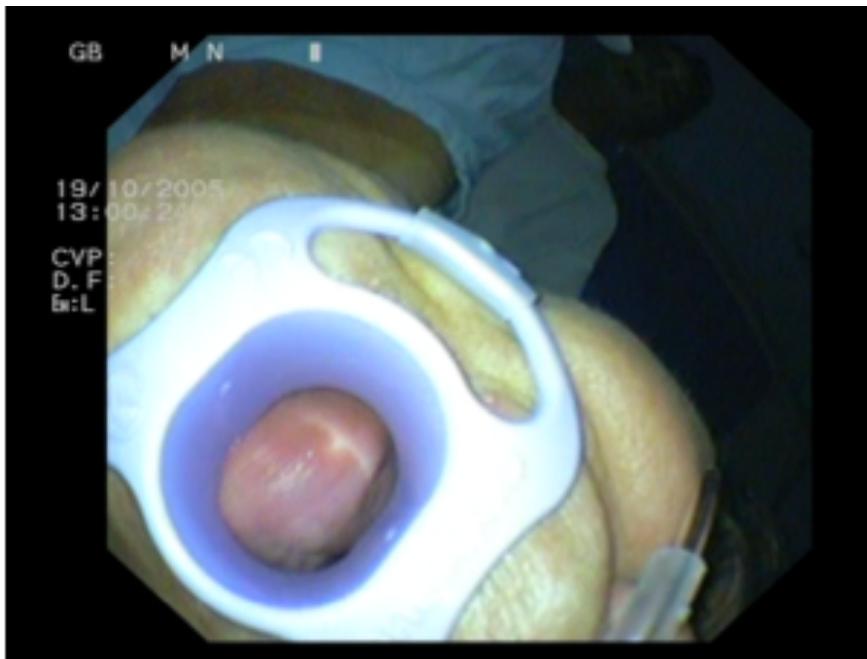


Mestrado Integrado em Engenharia Biomédica

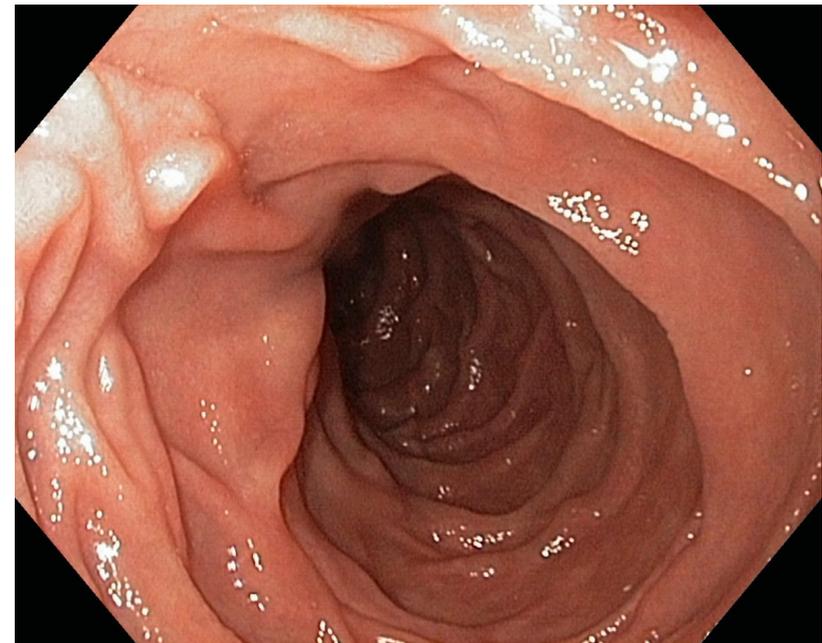
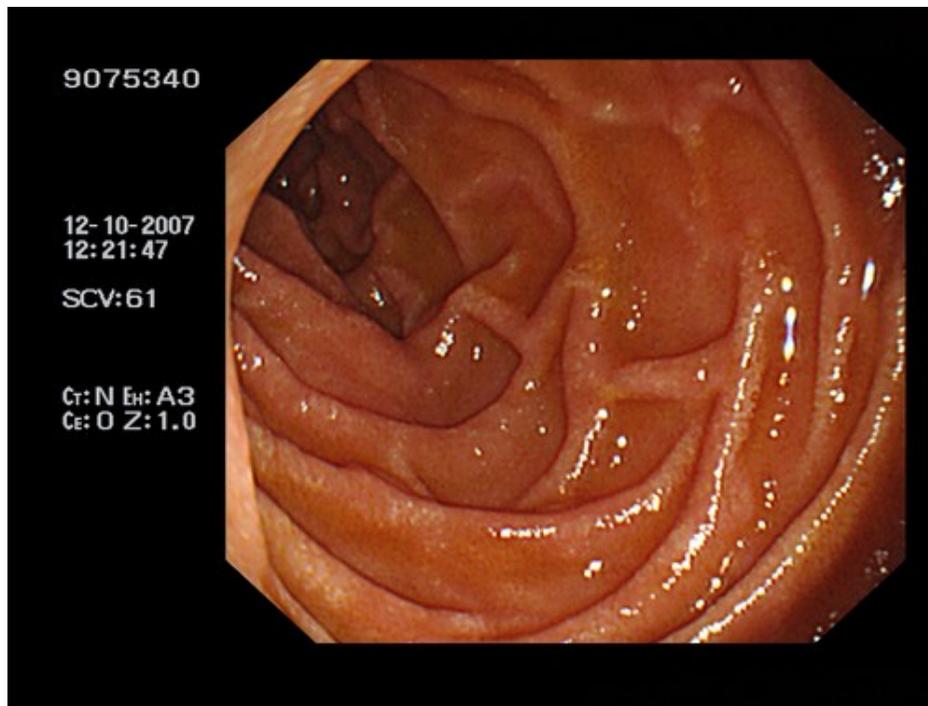
Algoritmos de Processamento de Imagens - OpenCV

TRABALHO PRÁTICO - TEMAS

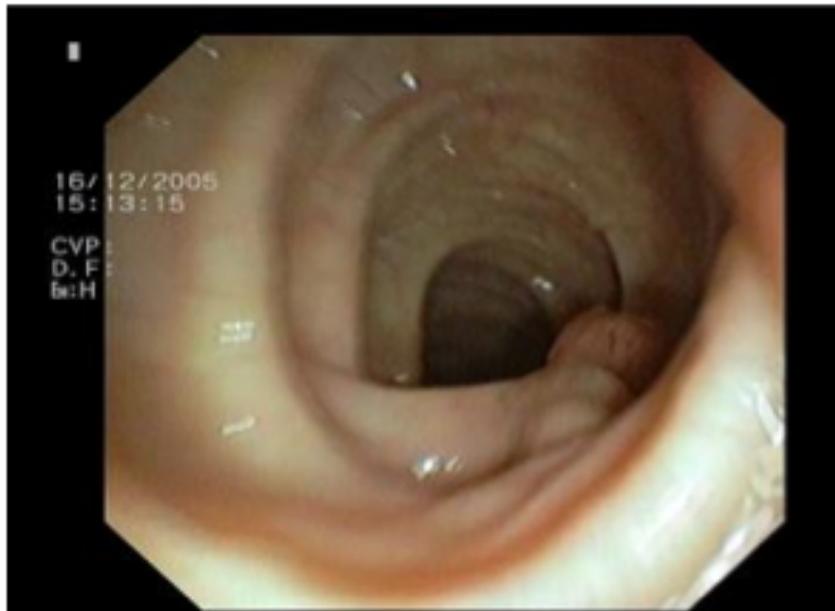
FRAMES INICIAIS/FINAIS



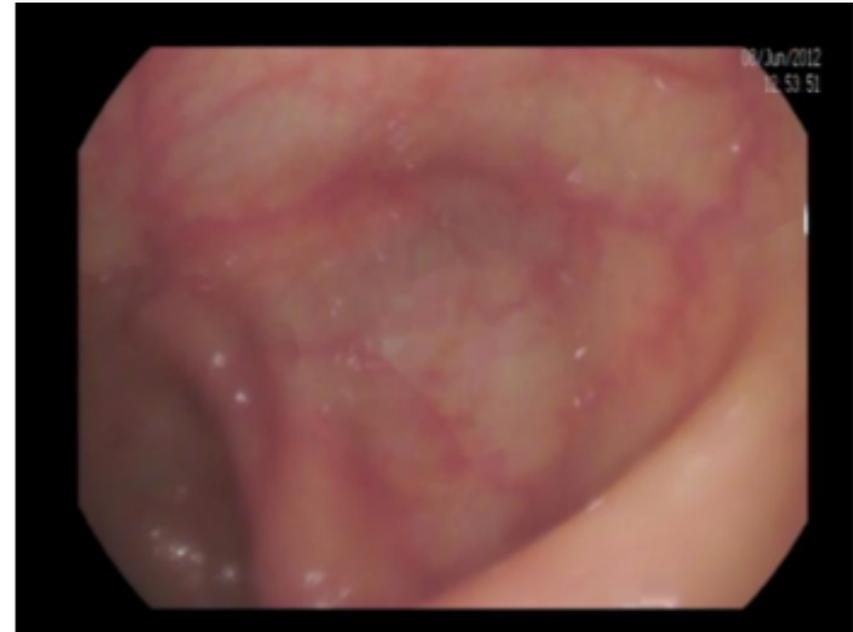
FRAMES DO TRATO DIGESTIVO



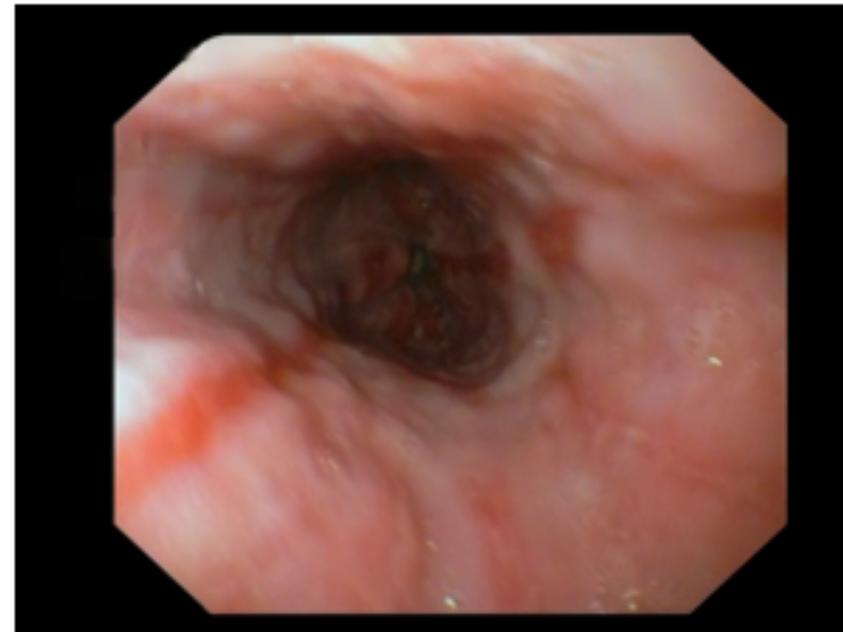
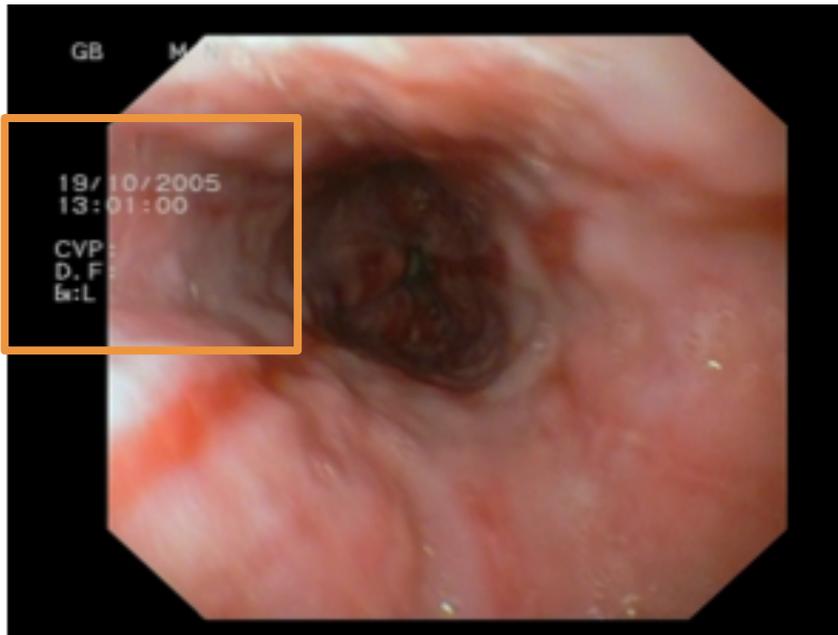
DETECÇÃO DA ÁREA ESPECULAR



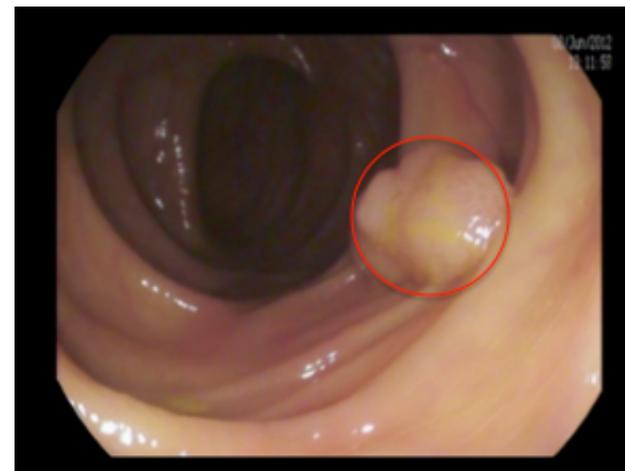
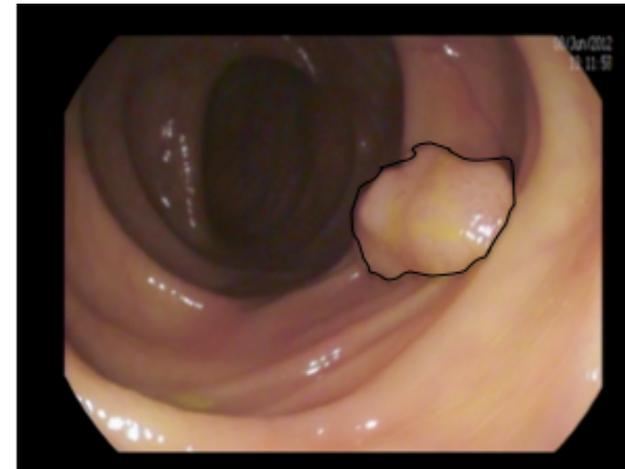
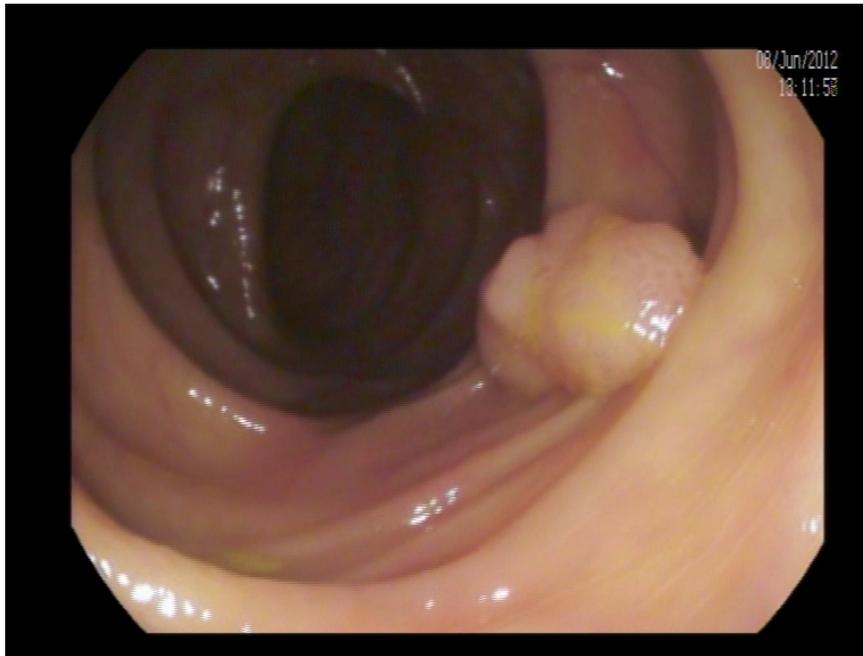
REMOÇÃO DA REFLEXÃO ESPECULAR



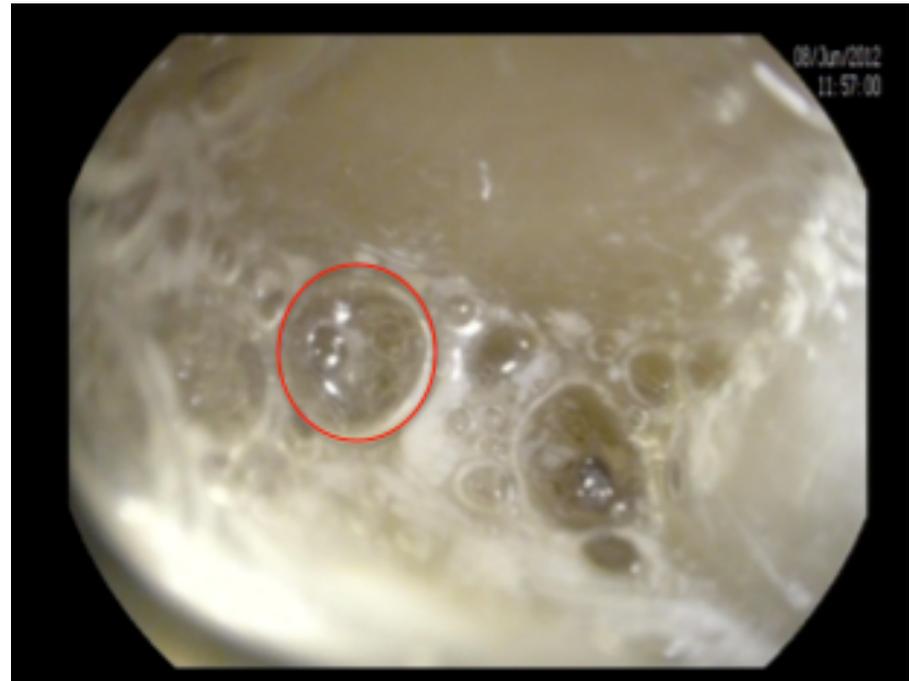
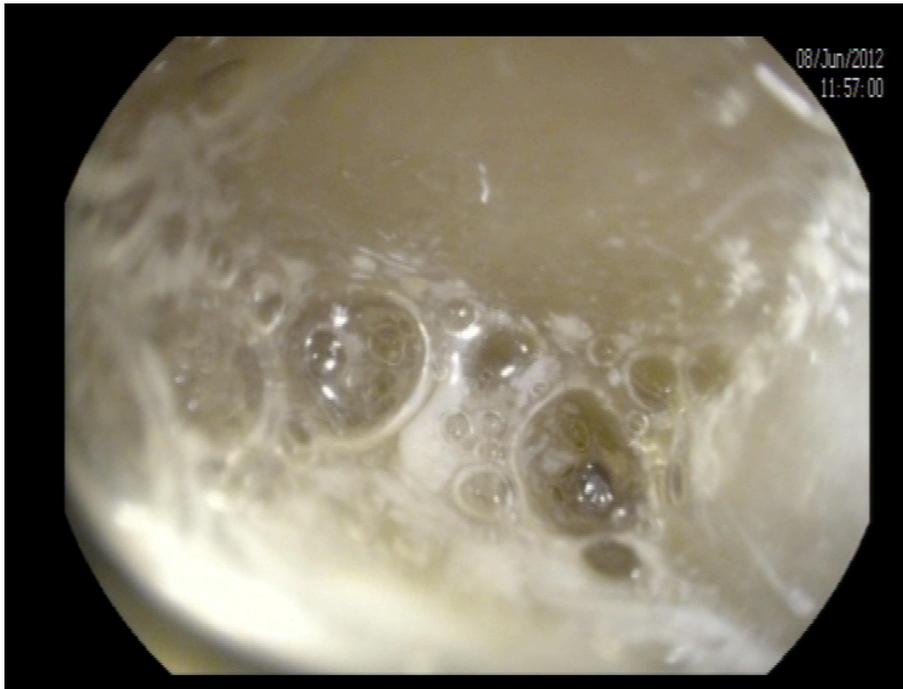
REMOÇÃO DE INFORMAÇÃO TEXTUAL



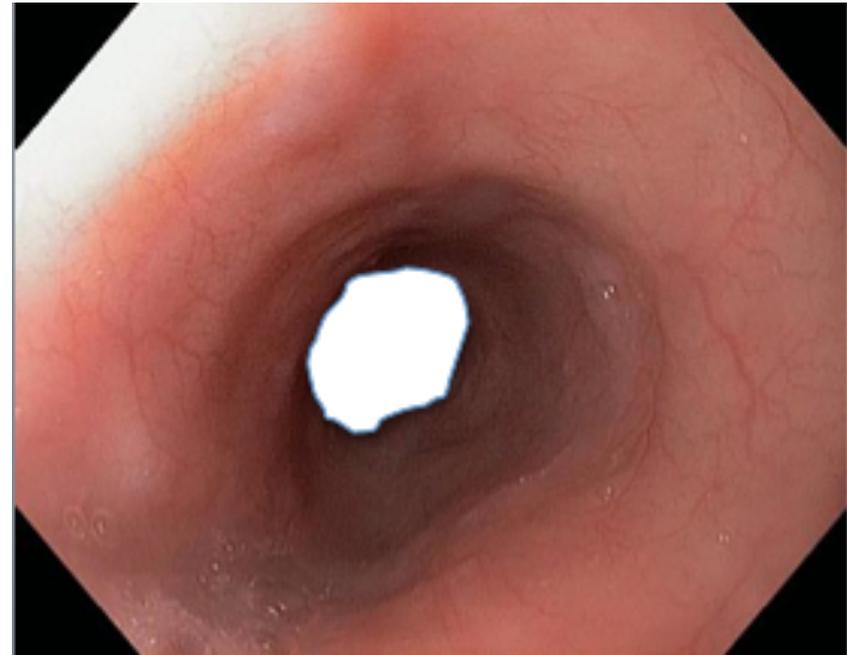
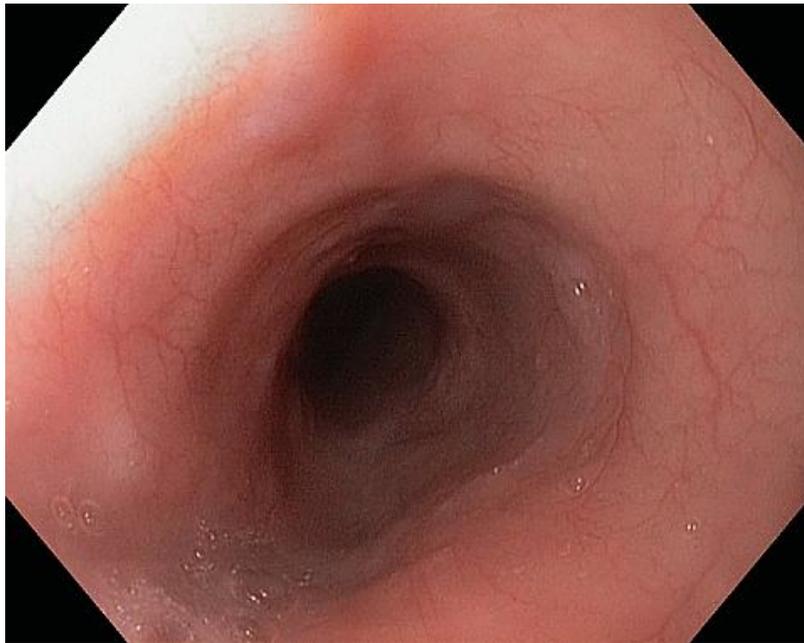
DETECÇÃO DE PÓLIPOS



DETECÇÃO DE BOLHAS



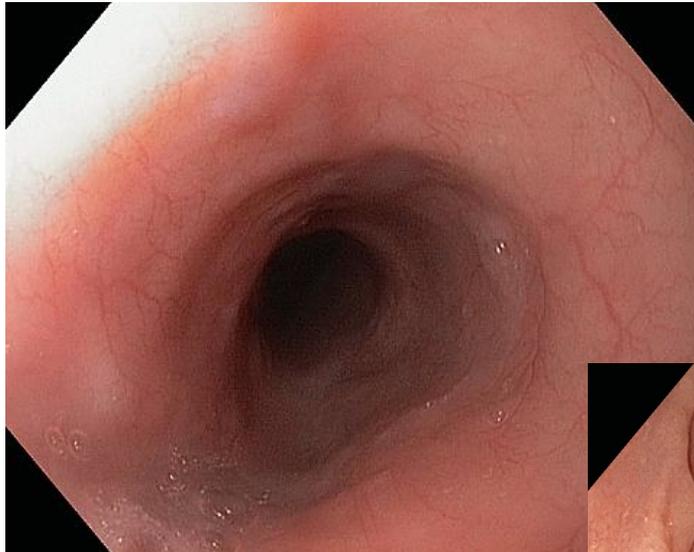
DETECÇÃO E EXTRAÇÃO DO LÚMEN*



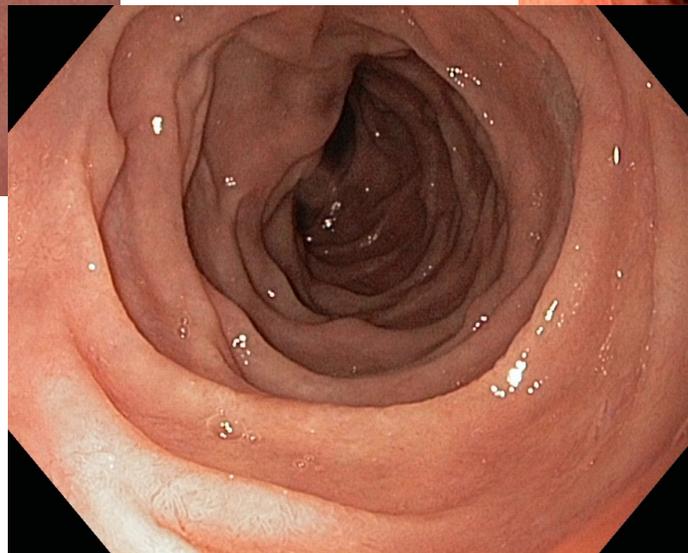
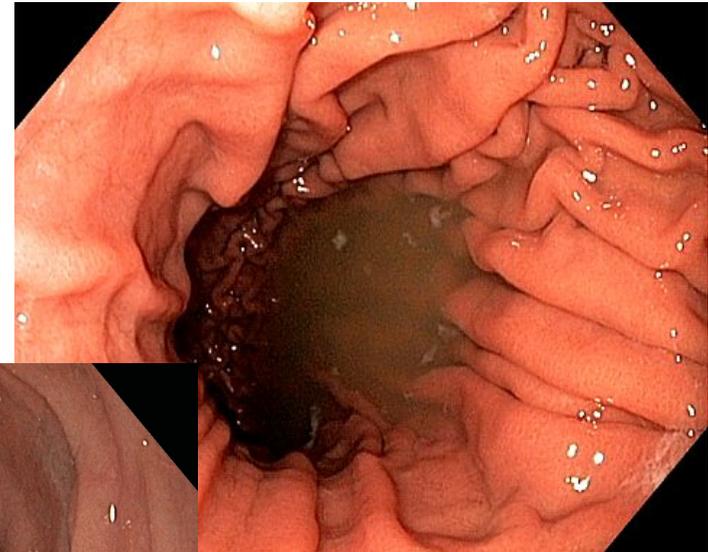
* Lúmen é a zona central, escura e homogénea presente numa imagem endoscópica

DETECÇÃO DE TEXTURAS

ESÓFAGO

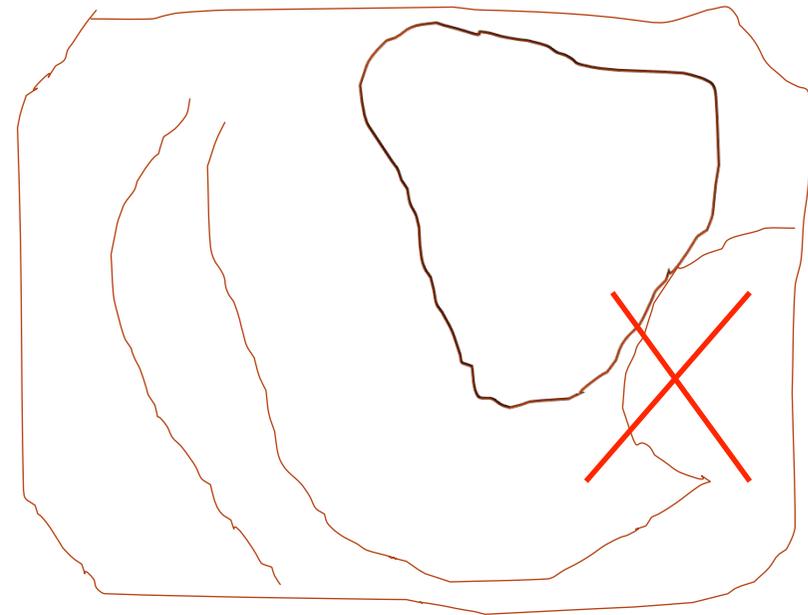
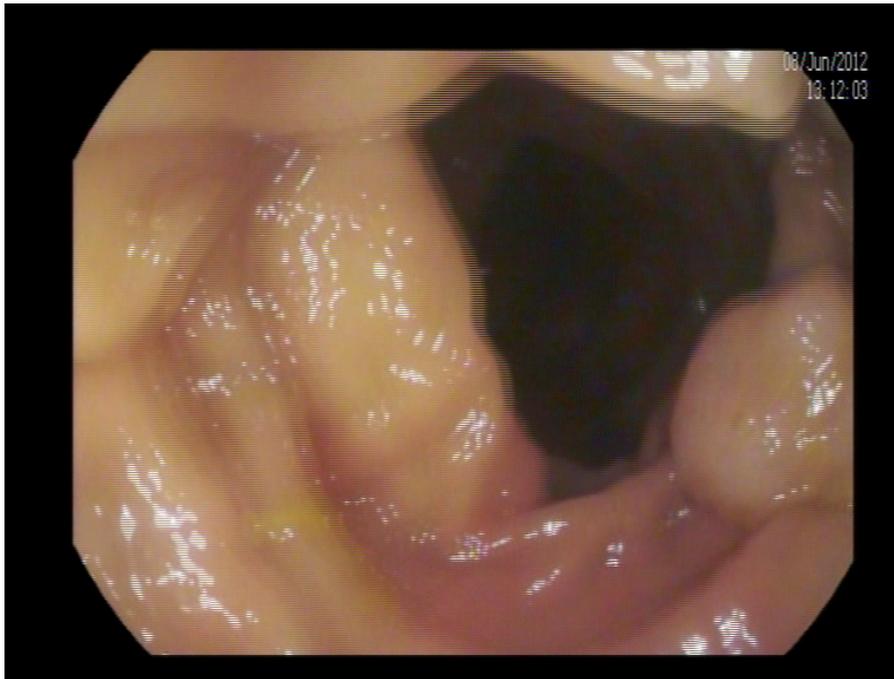


ESTÔMAGO

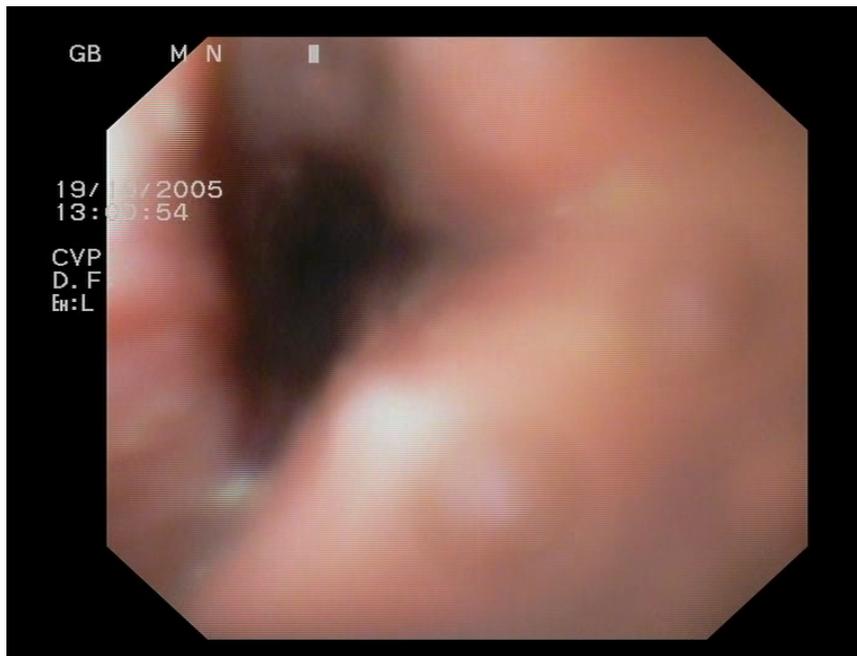


DUODENO

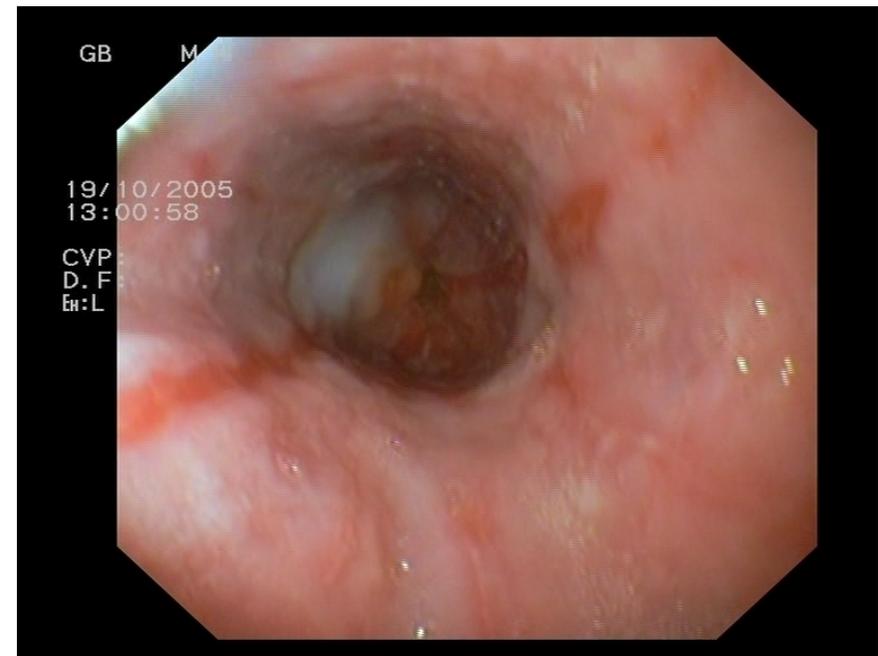
DETECÇÃO DE REGIÕES ANORMAIS



DETECÇÃO DE IMAGENS DESFOCADAS

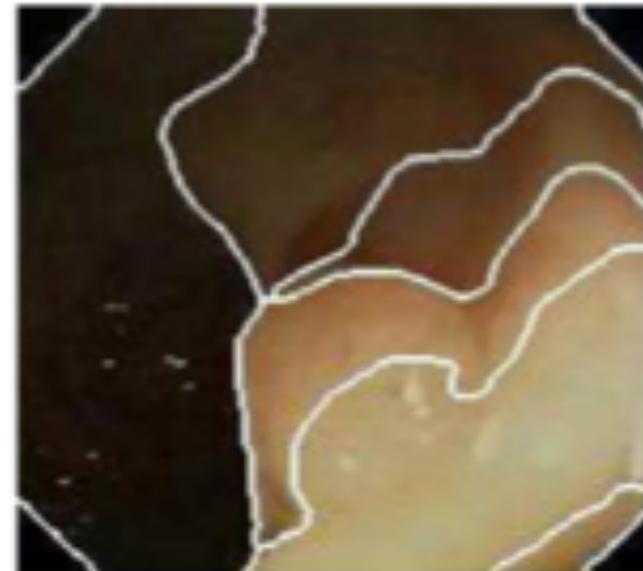


DESFOCADA



FOCADA

DIVISÃO DA IMAGEM EM REGIÕES



CONTAGEM DE PESSOAS



≈ 19