

BSGIE Annual Meeting 18/09 2014- Mechelen



New NBI data : is this usefull in clinical practise



- What are the new findings?
 - When compared with high-definition white light endoscopy, NBI detected the same number of patients with intestinal metaplasia but with fewer biopsies.
 - NBI detected a higher proportion of areas with dysplasia.
 - Regular appearing NBI surface patterns did not harbor high-grade dysplasia/cancer.
 - The accuracy of NBI for the detection of low grade dysplasia is low.

P. Sharma et al Gut 2013



New NBI data : is this usefull in clinical practise



- How might it impact on clinical practice in the foreseeable future?
 - The use of NBI targeted biopsies may improve the efficiency of BO endoscopic screening and surveillance of BO.
 - Biopsies could be entirely avoided in patients who have only regular appearing NBI surface patterns.

P. Sharma et al Gut 2013



New NBI data : is this usefull in clinical practise



- Result section of the paper
 - NS difference for detected visible lesions with neoplasia but HDWL (17.1%) detected more patients with visible lesions than NBI (4.9%)!
 - NS difference for number of patients with dysplasia
 - NBI did not detect more patients with higher grades of dysplasia according to the targeted biopsies

P. Sharma et al Gut 2013



New NBI data : is this usefull in clinical practise



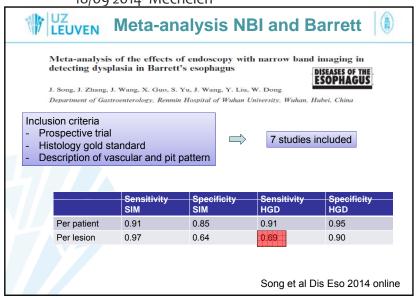
- Result section of the paper
 - The conclusion is based on the area based analysis showing a difference in proportion of lesions with any dysplasia
 (LGIN/HGIN/EAC)
 - 67/321 HDWL (21%) vs 81/267 (30%) (p=0.01)

CONCLUSION SHOULD BE: IF YOU ARE NOT AN EXPERT IN ADVANCED IMAGING AND DETECTING EARLY CANCER: USE HD WL AND TAKE PROPER BIOPSIES

LGIN

P. Sharma et al Gut 2013

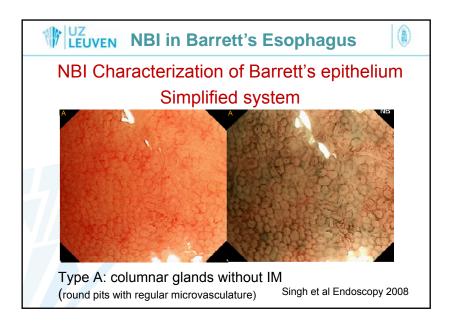
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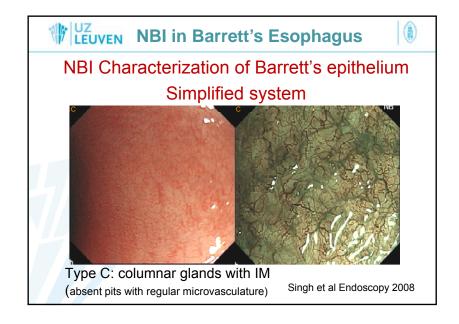


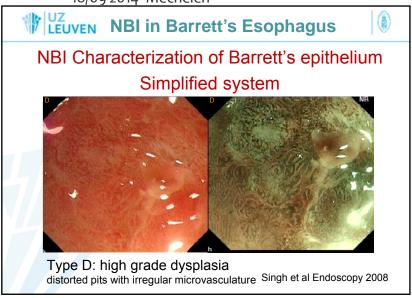


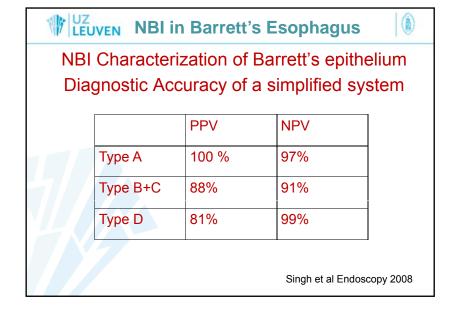
(villous / ridge pits with regular microvasculature)Singh et al Endoscopy 2008

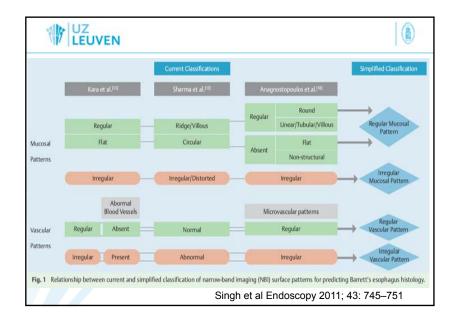
Type B: columnar glands with IM

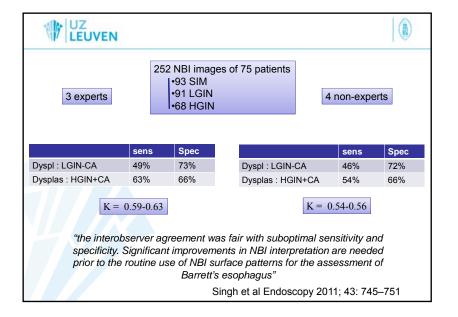


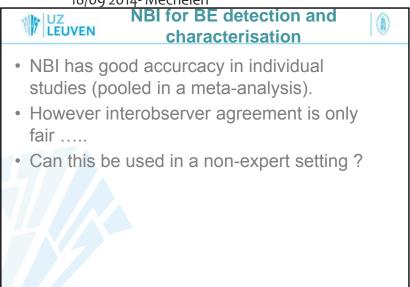


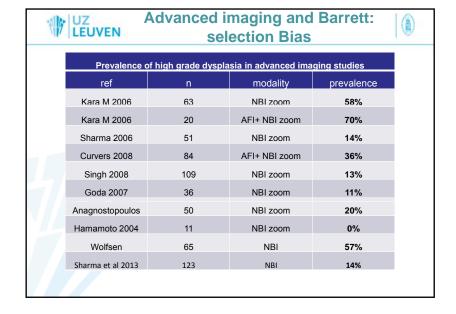


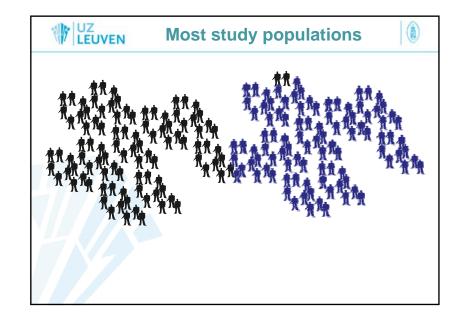


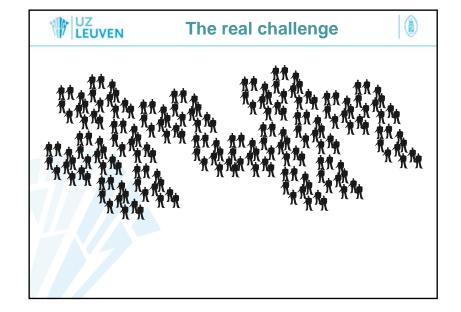


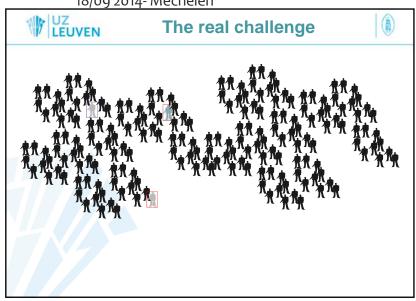


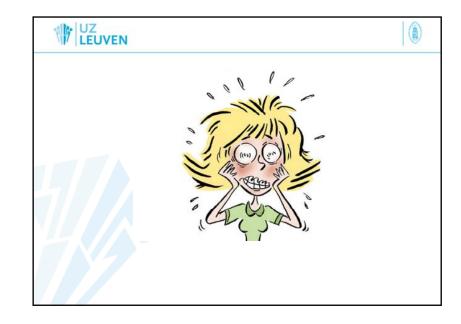


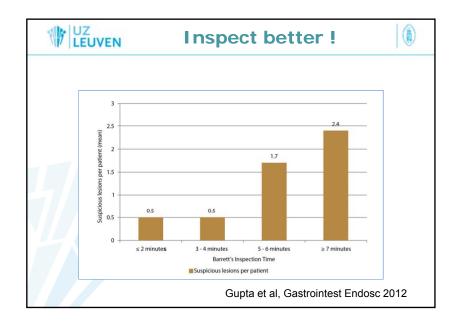


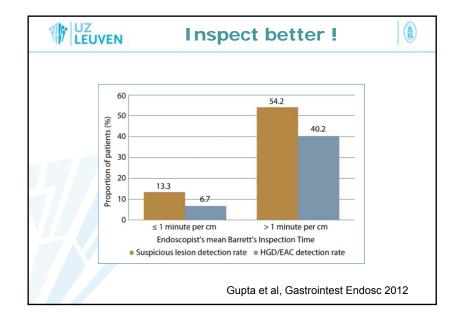




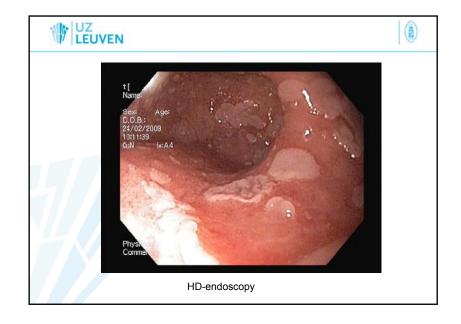


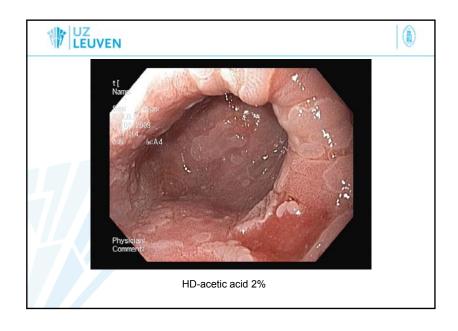


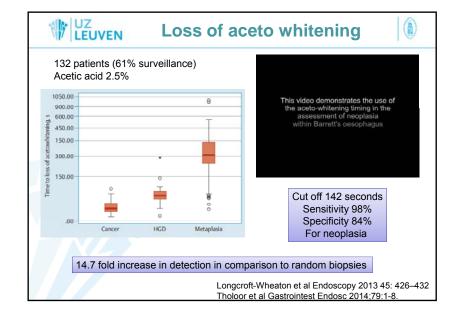


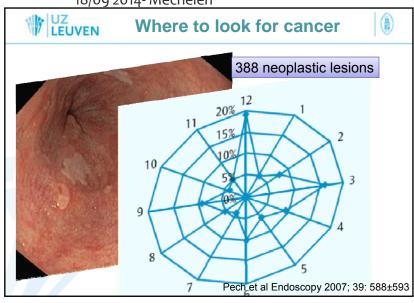


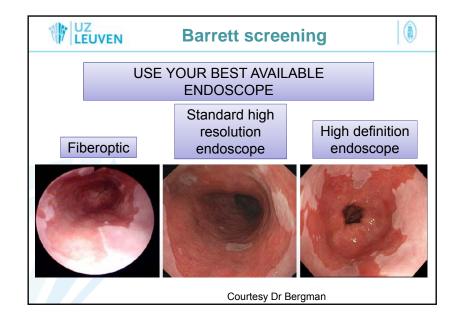




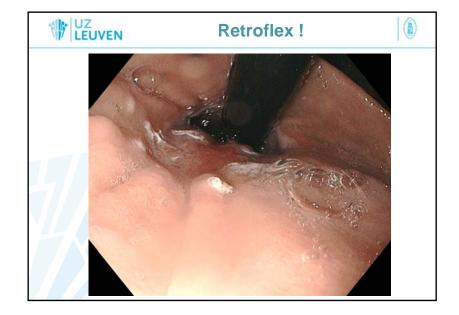




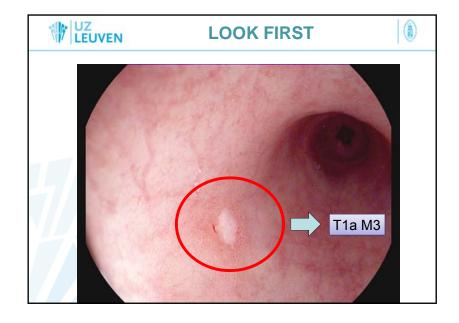


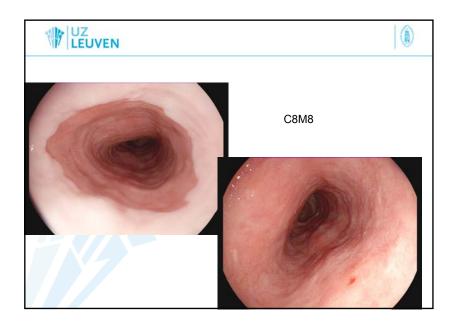








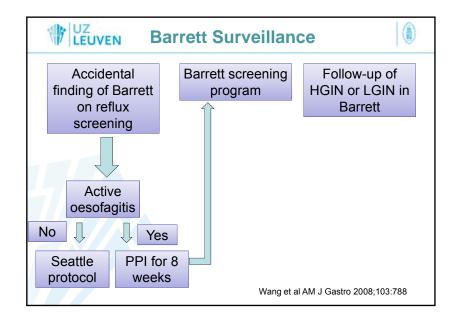


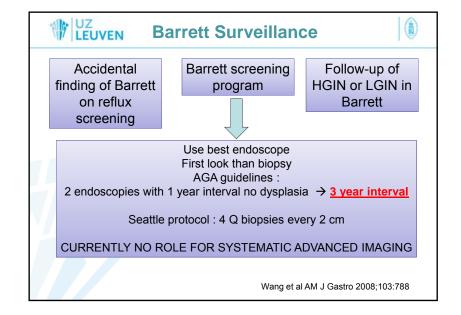




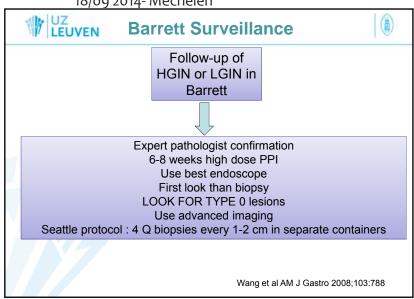


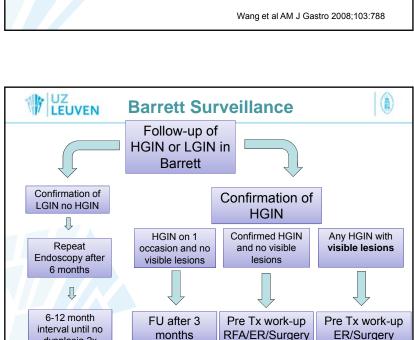






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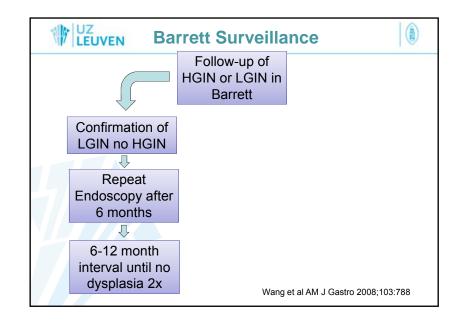


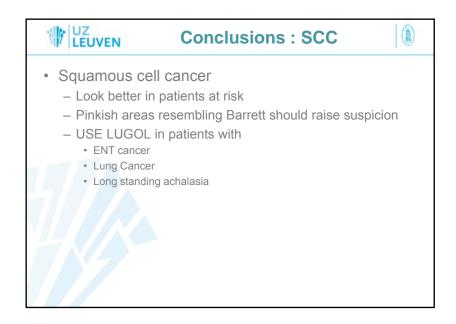


months

Wang et al AM J Gastro 2008;103:788

dysplasia 2x





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Conclusions: Barrett



- Advanced imaging increases the diagnostic yield in experienced hands for patients referred for suspicion of neoplasia.
- There is currently insufficient data to abandon the classical Seattle protocol
- Further studies are needed to assess how detection can be improved in
 - General secondary care units
 - Low risk surveillance population



Conclusions: Barrett



- Look first well and long enough
 - Clean the esophagus
 - Retroflex
 - HD endoscopes
- Start using advanced imaging techniques to increase your diagnostic yield
- Finish with a classical Seattle protocol.