Biopsychosocial mechanisms of abdominal pain in Inflammatory Bowel Disease and Irritable Bowel Syndrome

Overlap between Inflammatory Bowel Disease (IBD) and Irritable Bowel syndrome (IBS):

- Both involve the brain-gut axis
- Genetic, microbiological, epithelial, immunological factors that are common to IBD, are also seen in IBS
- Inconsistent correlation of subjective symptoms with biomarkers of inflammation implies involvement of the CNS in IBD (commonly thought to play a major role in IBS)

Cognitive and 4. PERCEPTION emotional processes Brain 3. MODULATION Brainstem 2 TRANSMISSION Spinal cord Painful **1. TRANSDUCTION** stimulus Abdominal area

(Barbara et al, 2014)

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