Chronic Pancreatitis: Management Update
2020

Wahid Wassef, MD, MPH, FACG
Director of Endoscopy and Pancreatitis Clinic
Professor of Medicine
Associate Chief Quality Officer Department of Medicine
University of Massachusetts Medical Center
Chronic Pancreatitis Management Update 2020

- BACKGROUND
- PAIN MANAGEMENT TODAY
- PAIN MANAGEMENT TOMORROW?
Epidemiology of chronic pancreatitis

- Chronic pancreatitis is a significant world wide medical problem
  - 13/100,000 in Copenhagen*
  - 3% of male veterans in US**
  - 17.4% of males and females in Japan***
  - 11-20% of adults in Southern India****

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- Etemad and Whitecomb. Gastroenterology, 2001; 120: 682-707
- Yadav. Pancreas, 2007; 34: 390-398
Features of chronic pancreatitis

- Pain
- Diarrhea
- Diabetes Mellitus

Features of chronic pancreatitis

- Natural history study of patients followed for 9.8 years *:
  - 202/311 (65%) pain
  - 141/311 (45%) diarrhea
  - 117/311 (38%) diabetes mellitus

Chronic Pancreatitis

CCK May Increase Pancreatic Pain
Chronic Pancreatitis

Theoretical Effects of Exogenous Enzymes

Exogenous Protease

Food

Less pain

Exogenous Proteases degrading CCK-RF

CCK-RF cell

CCK
Causes of Pain in Chronic Pancreatitis

- Pseudocyst
- Chronic Pancreatitis
- Ischemia
- PD Obstruction with Increased PD pressure
- Inflammation
- Neural inflammation
- Duodenal and common duct obstruction
APPROACH TO MANAGEMENT
Endoscopic Cystgastrostomy

- Linear scope
- 19 Gauge Needle
- .35 Wire
- Straight catheter
- Balloon Dilators
- Stents
Endoscopic Cystgastrostomy
Impact of chronic pancreatitis on quality of life

- Pain
  - Role function
  - Social function
  - Physical function
  - Mental function
## PANcreatitis Quality Of Life Instrument (PANQOLI)

<table>
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<tr>
<th>SITE #</th>
<th>INSTITUTION</th>
<th>PI</th>
<th>PATIENTS (n)</th>
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<td>Indiana University, Indianapolis, IN</td>
<td>DeWitt</td>
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<td>3</td>
<td>University of Alabama, Birmingham, AL</td>
<td>Wilcox</td>
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<td>UPMC, Pittsburgh, PA</td>
<td>Yadav</td>
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<td>Digestive Health Specialists, Tupelo, MS</td>
<td>Amann</td>
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<td>Mishra</td>
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<td><strong>Total</strong></td>
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**Sampling adequacy:** Assessed by KMO (0.896) - adequate
Quality of Life Comparison in chronic pancreatitis patients: a case-control study

Quality of Life Comparison in chronic pancreatitis patients: a case-control study