

Barry Marshall - H. pylori - Past Present + Future

1886 - Giulio Bizzozzo - describes spiral bacteria in cat stomach

- showed gram - bacteria could inhabit acidic stomach

Solomon 1896 - cat bacteria propagated in mice

A. Stone Fredberg + L. E. Barron 1940

46% of gastrectomy specimen contain spirochetes

Pa. Inc. 1954

no spirochetes in >1000 biopsies

- but may not be real

Steer + Colin Jones 1976

- curved bacteria in 80% of GU (gastric ulcers)

- thought to be pseudomonas spp -

Enzymes

Urease ... can be found in gastric mucosa of animals

- this is really H. pyloric

Creber + Lefevre - tx patients w/ H. pylori

Wane + Marshall 1981 -

Fullfilling Koch's postulates 1984

Gene Therapy - H. pylori and Helicobacter pylori

1992 - first gene therapy - adenovirus vector
- showed gene therapy could be used to treat cancer
Solomon 1992 - first gene therapy propagated in vivo

1993 - first gene therapy - adenovirus
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2004 - first gene therapy - adenovirus

Fulthill & Koch postulated for gastritis

Need for simple diagnostic tests

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- Type 1 carcinogen

- Koch postulates Fulthill

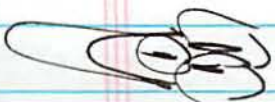
- Crete has high HP
but low gastric cancer

Modifiers

Bacterial factors - CAGA

Environmental factors - Nitrosamines, antiox, salt

J MICROARRAY



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