

Feline cholangitis

A bibliographic synthesis about one of the most common hepatic disorders in cats

FACULTAT DE VETERINÀRIA

Maria Vilaseca del Río – Grado en Veterinaria

Objective

The main goal of this paper is to write a bibliographic synthesis about most of the recent published information about feline cholangitis

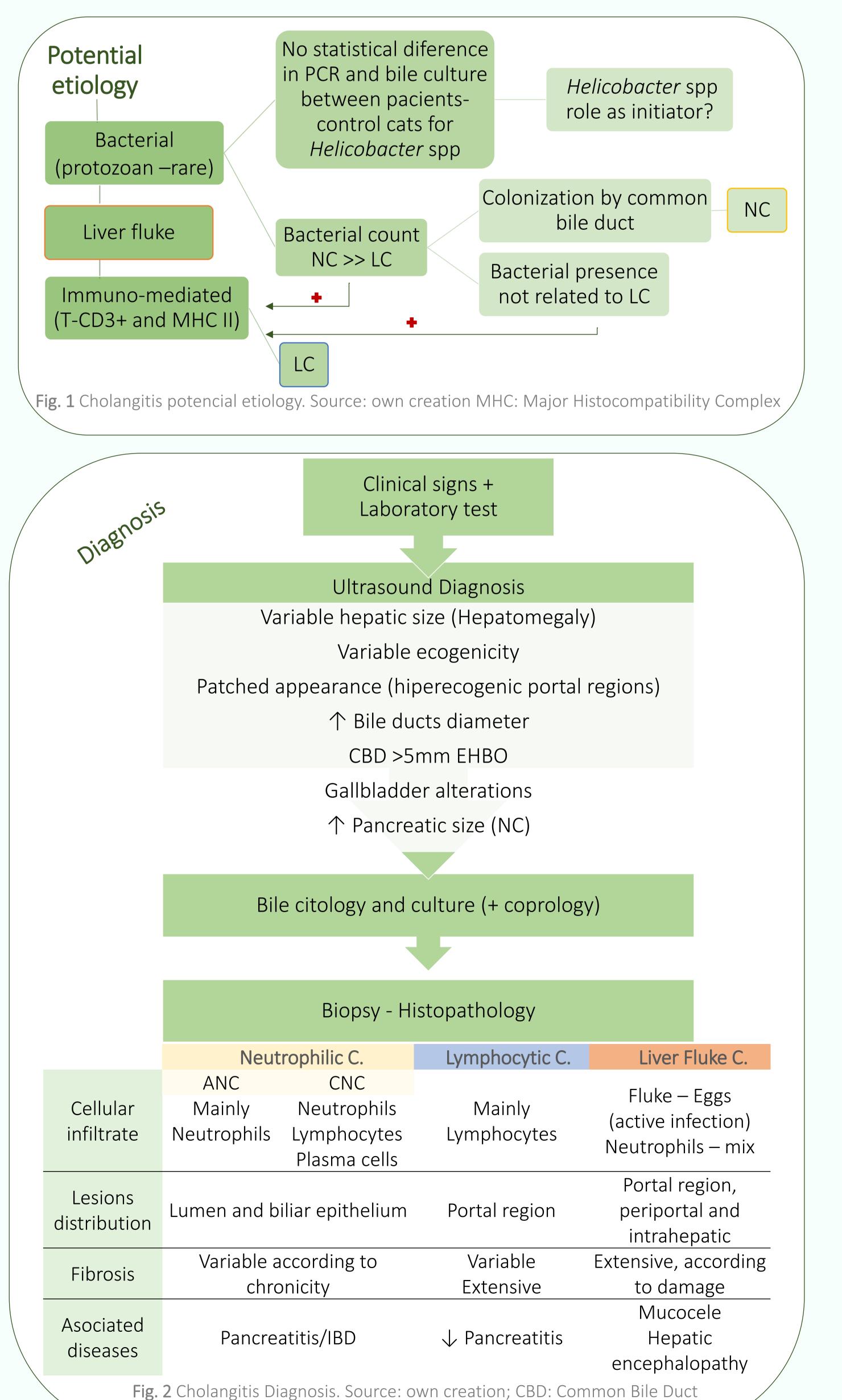
Introduction

Cholangitis in cats is an ill-defined inflammatory disorder of the hepatobiliary tree and one of the most common hepatic disorders in cats. According to WSAVA Liver Diseases and Pathology Standardisation Research Group, cholangitis can be subcategorized in 3 main forms based on the predominate type of inflammatory cell infiltrates: Neutrophilic cholangitis (NC) -acute (ANC) and chronic (CNC)-, Lymphocytic cholangitis (LC) and Liver fluke associated cholangitis.

The term "cholangitis" is used in preference to "cholangiohepatitis" as Inflammatory disruption of the limiting plate to involve hepatic parenchyma is not a consistent feature and if present, is usually an extension of primary cholangitis.

Triaditis

- 45-80% of patients with CN or CL have a concomitant disease, mainly pancreatic or intestinal.
- Cholangitis has been suggested as a predisposing factor.
- ✓ Its etiology is not well defined and is considered different for each patient.
- Other diseases associated with cholangitis are nephritis and skin fragility syndrome.



EHBO: Extrahepatic Biliary tract Obstruction; IBD: Inflammatory Bowel Disease

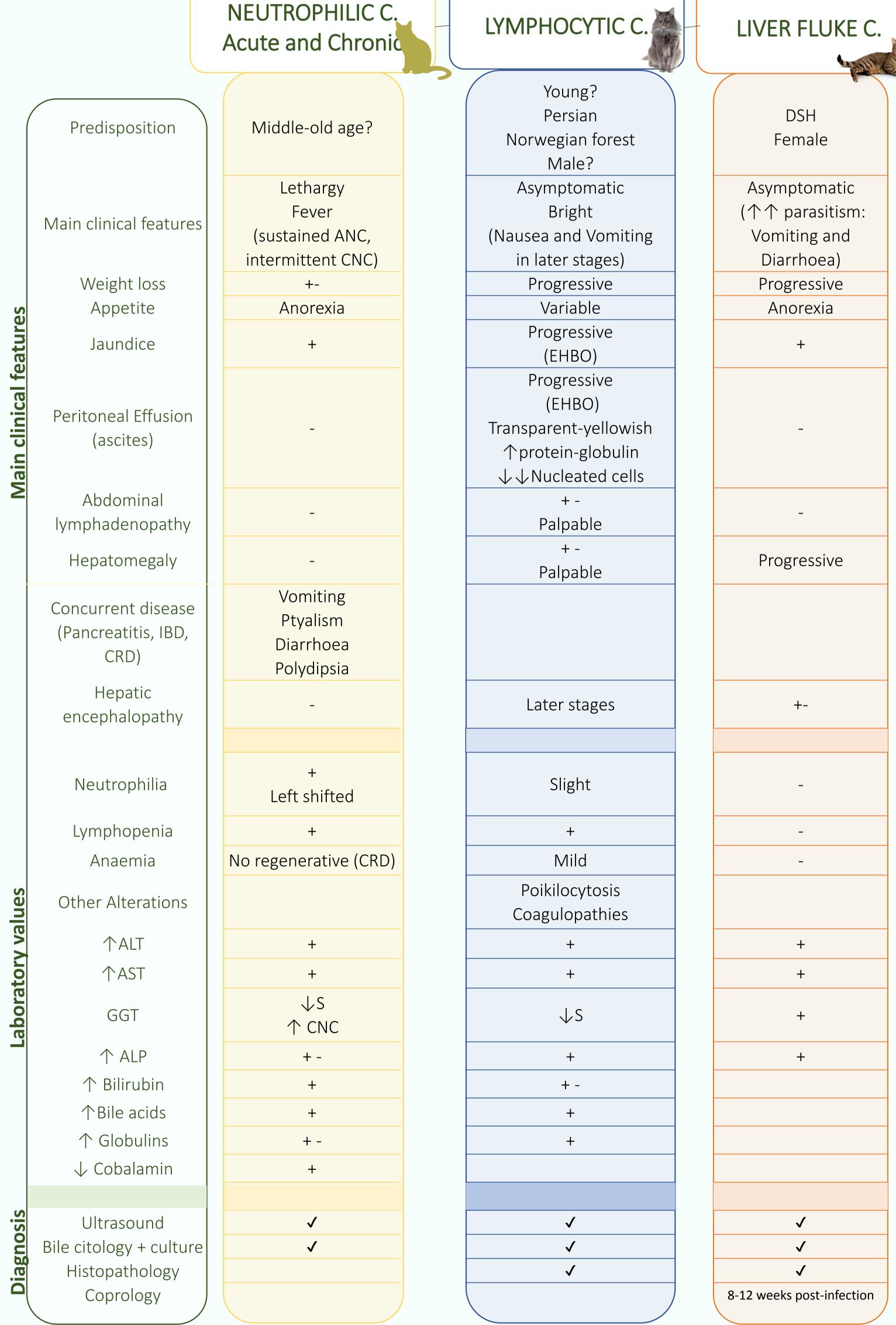


Fig. 3 Cholangitis main clinical features, laboratory vàlues and diagnosis techniques. Source: own creation; CRD: Chronic Renal Disease; S: Sensitivity; DSH: Domestic Short-Hair

Treatment Neutrophilic C. Lymphocytic C. Antibiotic CNA and CNC Corticosteroids (1-2 months) (Immunosuppressive dose lifelong treatment) Cephalosporin Amoxicillin Cyclosporine Amoxicillin + Clavulanate Chlorambucil Ciprofloxacin Methotrexate Aminoglycoside Cyclophosphamide Vancomycin (Multiresistant *Enterococcus* Faeciium) Liver fluke Corticosteroids **ANC** Anti-inflammatory dose Praziquantel and nitroscanate for short time periods Use simultaneously with antibiòtics Support therapy Colchicine – UDCA – SAM Nasoesophageal tube - Hiperproteic diet Fig. 4 Cholangitis treatment. Source: own creation;

Prognosis

Cholangitis is not a frequent cause of death in cats and its mortality is associated with concomitant diseases.

UDCA: Ursodeoxycholic acid; SAM: S-Adenosyl-Methionine

- Treatment with prednisone increases life expectancy.

Conclusions

- 1. WSAVA's working group classification has been fundamental to the comprehension of the retrospective published studies and to establishing prospective studies.
- 2. The etiology is uncertain, so the involvement of bacterial etiological agents is still controversial.
- 3. The pathogenicity of *Helicobacter* spp remains questionable
- 4. The diagnostic protocol is already well defined.
- 5. The treatment protocol seems to yield good results but is susceptible to improvement.