

Appendixes

Table S1. Specifications of data extraction

Patient characteristics	Age, sex, BMI, registered general practice
ICPC-codes considered for concomitant abdominal-related diagnoses	Abdominal pain (generalized abdominal pain and other localized abdominal pain), stomach pain, acid related disease (heartburn, reflux, dyspepsia), constipation, overweight, hypercholesterolemia, duodenal ulcer, peptic ulcer, choledocholithiasis, diarrhoea, change of stool, irritable bowel syndrome, diverticulitis, gastritis, biliary pancreatitis, celiac disease, gastrointestinal bacterial infection, cow's milk allergy, sphincter of Oddi dysfunction, hepatic steatosis
Consultations	Regular consultations, consultations by phone, consultations by email, and home visits
Laboratory diagnostics	C-reactive protein (CRP), C-reactive protein point-of-care testing (CRP-POCT), alanine aminotransferase (ALAT), aspartate aminotransferase (ASAT), gamma-glutamyl transferase (GGT), alkaline phosphatase (ALP), and total bilirubin
Medication*	Analgesics, NSAIDs, medication for functional gastrointestinal disorders, antiemetics, and medication for constipation
CRF	Start of abdominal complaints, pain attacks (biliary colic: considered when described as pain the right upper quadrant or epigastrium with acute onset, independent of duration of the attack), ultrasound imaging, referrals, treatment, consultations at the GP, and alternative diagnoses after primary treatment

* Further specifications on medication in each group can be found in the Supplementary Table S2

Table S2. Specification of medication

Analgesics	Morphine, Oxycodone, Codeine, Fentanyl, Buprenorphine, Paracetamol, Paracetamol/Codeine, Tramadol/Paracetamol, Tramadol, Acetylsalicylic Acid and combinations, Sumatriptan, Naratriptan, Zolmitriptan, Rizatriptan, Eletriptan, Frovatriptan, Pizotifen, Clonidine.
NSAIDs	Indomethacin, Diclofenac, Aceclofenac, Diclofenac/misoprostol, Meloxicam, Ibuprofen, Naproxen, Naproxen/Esomeprazole, Celecoxib, Etoricoxib, Nabumetone, Glucosamine
Medication gastric disease	Magnesium Oxide, Magnesium Hydroxide, Antagel, Antacid sodium/Sodium Hydrogen Carbonate, Cimetidine, Ranitidine, Misoprostol, Omeprazole, Pantoprazole, Lansoprazole, Rabeprazole, Esomeprazole, Pantoprazole/Amoxicillin/Clarithromycin, Sucralfate, Gaviscon
Medication functional GI disorders	Mebeverine, Atropine, Butyl Scopolamine
Antiemetics	Metoclopramide, Domperidone, Ondansetron, Scopolamine, Aprepitant
Medication for constipation	Docusate salts, Bisacodyl, Senna, Senna glycosides, Sodium Picosulfate, Psyllium, Magnesium Sulfate, Lactulose, Lactitol, Macrogol, Sodium Phosphate, Polyethylene Glycol, Sodium Docusate.