Acute Abdominal Pain

Nursing Orders
- Foley catheter (urojet)
- NG tube insertion to LIS after 5 mL of 4% lidocaine solution via HHN
- Urinary straight catheterization
- Pelvic exam set-up
- Nurse Initiated Pain Management Protocol

Laboratory
- Serum pancreatic lipase is a more accurate biomarker of acute pancreatitis than serum amylase. Doing both markers does not improve diagnostic accuracy.
- Urine trypsinogen is a helpful adjunct to lipase and helps in predicting severity of pancreatitis. It is not meant as a stand-alone test because of its very low negative predictive value.
- Lipase
- Urine trypsinogen
- Complete blood cell count with automated white blood cell differential
- Basic metabolic panel
- Comprehensive metabolic panel
- Hepatic function panel
- Cardiac profile
- Urinalysis (UA) with microscopy
- GC/chlamydia probe (male/female)
- Wet prep, genital
- KOH prep

Diagnostic Tests
- 12-lead ECG
- Ultrasound __ Gall bladder __ Abdominal complete
- CT scan of the abdomen and pelvis without contrast
- CT scan of the abdomen and pelvis with contrast
- CT scan of the abdomen and pelvis with CT angiogram.
- Nuclear Medicine Imaging (HIDA/PIPIDA Scan)
- Pelvic ultrasound (pregnant; non-pregnant)
- Transvaginal ultrasound
- Non-invasive vascular Doppler flow US of the abdomen

Respiratory
- Administer oxygen to maintain O2 sat at greater to or equal to 90%.

IV Fluids
- Saline lock
- Sodium Chloride 0.9% @ ___ mL/hr.
- Lactated Ringers Solution @ ___ mL/hr.
- Bolus

Medications
- Anti-ulcer Agents
- Antacids
  - aluminum hydroxide/magnesium hydroxide/MYLANTA 30 milliliter orally
- Histamine-2 Receptor Antagonists
  - famotidine /PEPCID 20 milligram orally
- Proton Pump Inhibitors
  - pantoprazole /PROTONIX 40 milligram orally once

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- pantoprazole /PROTONIX 40 milligram intravenously

**Analgesics**

**Combination Analgesics**
- hydrocodone-APAP/VICODIN 1 tablet orally once
- hydrocodone-APAP/LORTAB 7.5/500 1 tablet orally once
- oxycodone-APAP/PERCOCET 5-325 1 tablet orally once

**Non-opioids**
- acetaminophen /TYLENOL 650 milligram orally once
- acetaminophen /TYLENOL 1,000 milligram orally once
- acetaminophen /TYLENOL 650 milligram rectally once
- ibuprofen /MOTRIN 400 milligram orally once
- ketorolac/TORADOL __15 mg IVP __30 mg IVP

**Narcotic analgesics**
- morphine 0.1 milligram/kilogram intravenously repeat every hour as needed until pain relief
- HYDROMorphone /DILAUDID 0.5 milligram slow IVP every 5 minutes. Repeat every 10 minutes until pain relief achieved.
- fentaNYL /SUBLIMAZE 1 microgram/kilogram IV every hour as needed until pain relief

**Antidotes and Rescue Agents**
- naloxone /NARCAN 2 milligram intravenously once

**Antiemetics**
- droperidol /INAPSINE 0.625 milligram intravenously once as needed for nausea/vomiting
- metoclopramide /REGLAN 10 milligram intravenously once
- ondansetron /ZOFRAN 4 milligram intravenously once
- ondansetron /ZOFRAN 4 milligram orally once
- prochlorperazine /COMPAZINE 5 milligram intravenously or intramuscularly
- prochlorperazine /COMPAZINE 10 milligram po, IM, or IV
- prochlorperazine /COMPAZINE 25 milligram rectally

**Antipyretics**
- acetaminophen /TYLENOL 650 milligram orally once
- acetaminophen /TYLENOL 1000 milligram orally as needed for fever
- acetaminophen /TYLENOL 650 milligram rectally

**Antibiotics**
- Mild to Moderate Infection
  - cefoxitin/MEFOXIN 1 G IVPB once
  - ertapenem/INVANZ 1 G IVPB once
  - moxifloxacin/AVELOX 400 mg IVPB once
  - tigecycline/TYGACIL 100 mg IVPB once (hepatic dosing advised after initial dose)
  - ticarcillin-clavulanate/TIMENTIN 3.1 G IVPB once
  - or
  - cefazolin/ANCEF 1 G IVPB + metronidazole/FLAGYL 500 mg IVPB
  - cefuroxime/ZINACEF 1.5 G IVPB + metronidazole/FLAGYL 500 mg IVPB
  - ceftriaxone/RODFOREX 1 G IVPB + metronidazole/FLAGYL 500 mg IVPB
  - cefotaxime/CLAFORAN 1 G IVPB + metronidazole/FLAGYL 500 mg IVPB
  - ciprofloxacin/CIPRO 400 mg IVPB + metronidazole/FLAGYL 500 mg IVPB
  - levofloxacin/LEVAQUIN 500 mg IVPB + metronidazole/FLAGYL 500 mg IVPB

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Severe or High Risk Infection

- imipenem-cilastin/PRIMAXIN 750 IVPB once
- doripenem/DORIBAX 500 mg IVPB over 1 hour once
- meropenem/MERRAM/TYGACIL 1 G IVPB once
- piperacillin-tazobactam/ZOSYN 3.375 G IVPB once

OR

- cefepime/MAXIPIME 1 G IVPB + metronidazole/FLAGYL 500 mg IVPB
- ceftazidime/FORTAZ 1 G IVPB + metronidazole/FLAGYL 500 mg IVPB
- ciprofloxacin/CIPRO 400 mg IVPB + metronidazole/FLAGYL 500 mg IVPB
- levofloxacin/LEVAQUIN 500 mg IVPB + metronidazole/FLAGYL 500 mg IVPB

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