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Management summary for hyperemesis gravidarum



Hyperemesis gravidarum and the liver Does the patient meet the definition for HG? Symptom onset <16 weeks' gestation of pregnancy Nausea and vomiting; at least one of which is severe Inability to eat +/or drink normally Symptoms have significant effect on daily living Is ALT or AST abnormal? Yes No Admission criteria and management Mild Marked In patient management: Admit if any of the following: abnormality in abnormality in · Unresponsive to outpatient · Prescribe antiemetics IM or IV ALT/AST ALT/AST management · Prescribe IV fluids: · Clinical dehydration •0.9% saline with potassium chlorine guided by daily monitoring of electrolytes (≥5x upper limit of · Prescribe thiamine supplementation either: · Weight loss >5% body weight normal) •Thiamine 50 mg TDS PO or Pabrinex I+II (vial of each) IV · Confirmed or suspected Prescribe venous thromboprophylaxis co-morbidity e.g., UTI or diabetes · Prescribe histamine type-2 receptor blockers or proton pump inhibitors in women with GORD · Undertake a mental health assessment +/- refer to mental health services · Co-morbidity and unable to take · Schedule ultrasound scan to confirm viability, gestational age and to assess for trophoblastic medications e.g., epilepsy, disease or multiple pregnancy diabetes mellitus, HIV · Consider enteral or parenteral nutrition in cases where all other medical therapies have failed to sufficiently manage symptoms Reassure and treat Screen for primary as per usual liver disease Antiemetic therapy On discharge management algorithm Doxylamine and pyridoxine 20/20 mg PO at night, increase to additional · Up titrate antiemetic therapy and reassure regarding 10/10 mg in morning and add 10/10 mg at lunchtime if required. Cyclizine 50 mg PO, IM or IV 8 hourly · Encourage oral hydration Prochlorperazine 5-10 mg 6-8 hourly PO (or 3 mg buccal); 12.5 mg 8 hourly · Offer dietary advice eat little and often to prevent an IM/IV; 25 mg PR daily Promethazine 12.5-25 mg 4-8 hourly PO, IM, IV or PR · Provide contact number for early pregnancy unit Chlorpromazine 10-25 mg 4-6 hourly PO, IV or IM; or 50-100 mg 6-8 hourly Up titration of antiemetics Metoclopramide 5-10 mg 8 hourly PO, IV/IM/SC Domperidone 10 mg 8 hourly PO; 30-60 mg 8 hourly PR · Initially select a 1st line antiemetic Ondansetron 4-8 mg 6-8 hourly PO: 8 mg over 15 minutes 12 hourly IV Women taking ondansetron may require laxatives if constipation develops · Use combinations of drugs in women who do not respond to a single antiemetic Prednisolone 40-50 mg daily PO, with the dose gradually tapered until lowest maintenance dose that controls the symptoms is reached · When up titrating add drugs as opposed to Corticosteroids should be reserved for cases where standard therapies have failed; when replacing them different classes of drugs may have initiated they should be prescribed in addition to previously started antiemetics. Women synergisc effects and some women will require a taking them should have their BP monitored and a screen for DM. combination of 3+ antiemetlcs to control symptoms

HG, hyperemesis gravidarum; ALT, alanine aminotransferase; AST, aspartate aminotransferase; UTI, urinary tract infection; HIV, human immunodeficiency virus; IM, intramuscular; IV, intravascular; TDS, three times a day; PO, orally; GORD, gastroesophageal reflux disease; PR, per rectum; SC, subcutaneous!



Patients with a history of severe HG may be offered doxylamine/pyridoxine preemptively. In such cases 20 mg of doxylamine combined with 20 mg of pyridoxine should be started on confirmation of pregnancy, with gradual increase of dose when symptoms occur/escalate to a maximum dose of 40/40 mg per day.