

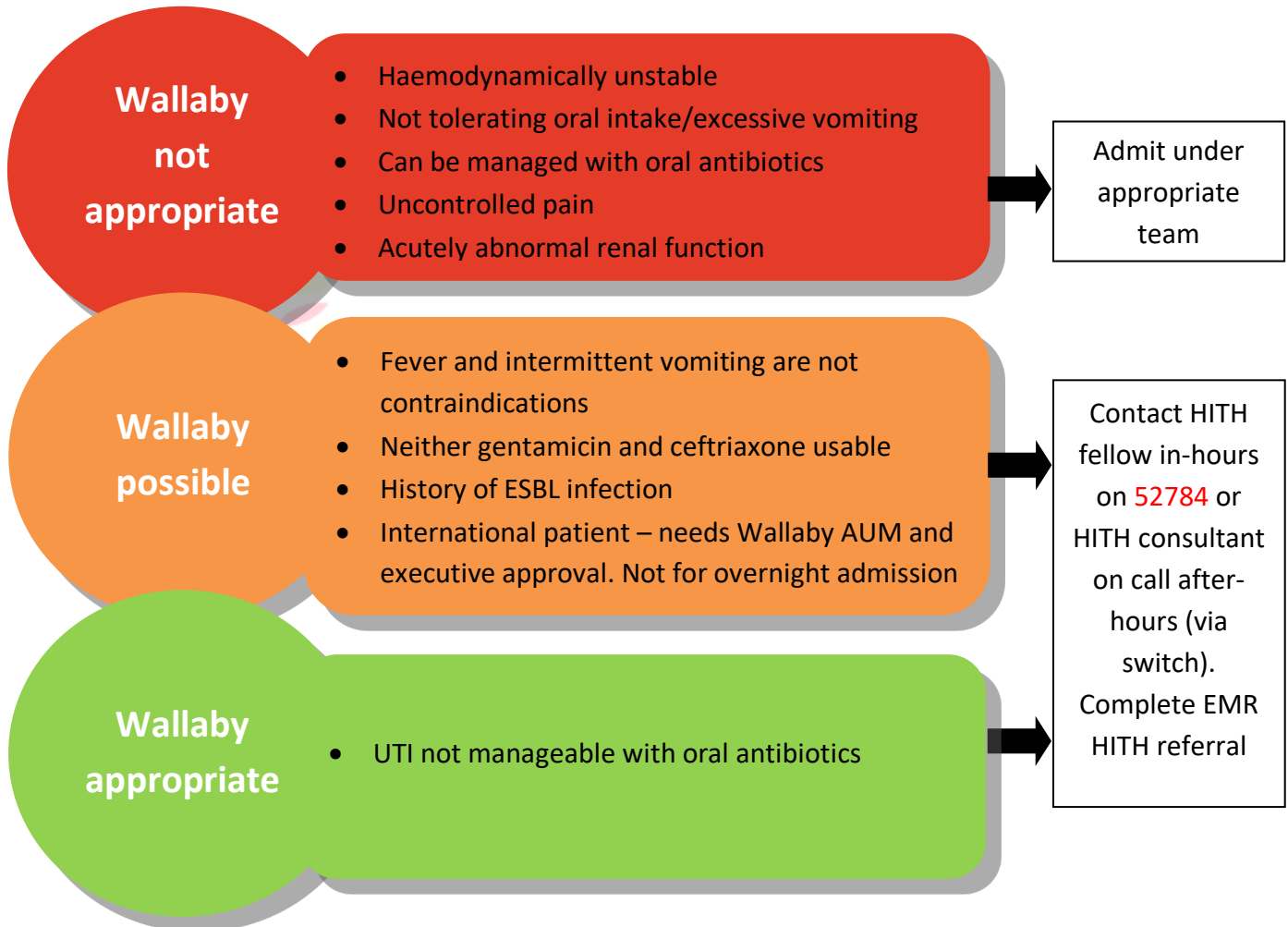


Urinary tract infection



Patients with complicated urinary tract infection requiring IV antibiotics can be admitted directly from the emergency department to Hospital in the Home (HITH). See UTI CPG to determine IV versus oral. As with any other HITH admission, this requires a safe home environment and consent. **Children can go straight from ED to HITH.**

HITH (Wallaby) Admission Criteria and Protocol



Prior to family leaving hospital:

- IV cannula appropriately secured and patent
- First dose of gentamicin 7.5mg/kg IV given (6mg/kg for >10yo) (Max 360mg) daily
- Admission accepted by HITH Fellow/Consultant – will have in person review between hours of 7am-9pm (phone consult only after hours)
- HITH order set on EPIC completed:
 - Preselected: Adrenaline 1:1000 (1mg/ml) 10mcg/kg IM PRN
Sodium chloride flush 0.5-2ml IV PRN
 - Gentamicin 7.5mg/kg IV charted (6mg/kg for >10yo) (max 360mg) daily
 - EMR referral to HITH & HITH bed request



HITH protocol – nursing and medical

Medical care requirements

Daily review (phone/telehealth/home visit)

Script for cephalexin 33mg/kg tds (max 500mg tds) to be ready for first visit (not to be filled until urine culture sensitivities known)

Daily care requirements

IV gentamicin as per Paediatric Injectable Guideline

Therapeutic drug monitoring + UEC (pre third dose if ongoing antibiotics)

Phone support available 24/7 for family to escalate their concerns – phone calls to come to HITH AUM in hours, ED AUM after hours and escalate to HITH consultant on call as required

Potential issues

IV failure – medical team to review to determine if further parenteral therapy required.

If so, consider IM ceftriaxone or arrange IV re-site

Anaphylaxis – administer IM adrenaline and call ambulance (will need allergy referral)

Ultrasound required for boys < 3mo of age prior to discharge

Atypical organism in urine - HITH Fellow to review

Readmission criteria

Not responding to antibiotics after 48 hours (eg ongoing fever)

Increasing abdominal pain, vomiting, poor oral intake

If requires transfer back to hospital, the HITH team will handover care to the appropriate medical team and inform the bed manager

If urgent review required, HITH will discharge and send patient to ED via ambulance

Discharge plan

Discharge when afebrile & clinically improving (generally after 24-48 hours of parenteral therapy)

Urine culture result reviewed

Switch to oral antibiotics to 7-10 day course for pyelonephritis

No outpatient follow-up unless history of recurrent UTI, atypical organisms or abnormal ultrasound