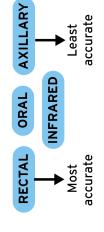
APPROACH TO FEVER

Fever Basics

Fever can be measured via...



- Children/infants have a higher average temperature than adults (37°C)
- Lower temperatures (<36°C) do not preclude work-up in an illappearing patient!

Lepidermal heat loss

t metabolic rate

1 muscle tone

Pathophysiology

1 Heat generation via regulatory set point increases thermo-Cytokine release Hypothalamus

Initial workup

OPEN PEDIATRICS

Physical exam

Assess for signs of altered

perfusion:

- Abnormal vital signs
- Altered mental status
 - Mottled skin
- Delayed capillary refill
- treatment for sepsis: broad If ill-appearing or unstable infectious workup, empiric antibiotics, admission to vital signs → consider higher-level care
- CVA tenderness or dysuria Focal abdominal pain Vomiting

· Cough and shortness of breath

Neck pain/swelling/decreased

range of motion

Headache and photophobia

History

• Ear tugging or pain

Sore throat

- Focal limb or joint pain/swelling Diarrhea
- Always ask about immunization status!

Infants (<90d)

Risk for SBI = HIGHER

(Highest risk in infants <1 mo!)

Types of SBI

- UT
- Bacteremia
- Meningitis
- Disseminated HSV infection

Age 3 - 36 mo

Risk for SBI = LOWER

Types of SBI

- UTI Meningitis
- Pneumonia Osteomyelitis
- Septic arthritis
 Skin infections
 - Periorbital/orbital cellulitis

Most common infections

(RSV, rhino/enterovirus) Common viral illnesses

Initial evaluation

- · Blood culture
- CBC, consider procalcitonin UA/UCx
- by institution, always performed Consider CSF analysis (varies in infants <1 mo)
- · +/- HSV PCR

fever <8d and no clear source Well-appearing patients with

FWS (fever without a

Initial evaluation

boys <12 mo, circumsized boys (girls <24 mo, uncircumcised Urine testing for high risk

called fever of unknown Once beyond 8d, this is

origin (FUO)!

Management

Do we treat fever?

Decision should be made on a case-by-case basis!

PROS

CONS

- Decreased insensible Improved discomfort
- Analgesia
- Delay to identifying underlying etiology Drug toxicity

scenarios) due to risk of Reye's disease (with exception of very specific Do not use aspirin in children