McLaren
CENTRAL MICHIGAN

ACUTE BACTERIAL RHINOSINUSITIS (ARBS)

ANTIBIOTIC STEWARDSHIP: SYMPTOMS MUST BE PRESENT WITHOUT IMPROVEMENT FOR 10 DAYS OR LONGER BEFORE ANTIBIOTIC TREATMENT CAN BE INITIATED

TREATMENT

	First line antibiotics	48-72 hour antibiotic treatment failure
Risk for resistance*	**Augmentin 45-3.2mg/kg/dose by mouth twice daily**	• **Cefuroxime 15mg/kg/dose by mouth twice daily** **or** • **Cefdinir 7mg/kg/dose by mouth twice daily**
No risk for resistance	**Amoxicillin 45mg/kg/dose by mouth twice daily**	• **Augmentin 45-3.2mg/kg/dose by mouth twice daily** **or** • **Cefuroxime 15mg/kg/dose by mouth twice daily** **or** • **Cefdinir 7mg/kg/dose by mouth twice daily**

**RISKS FOR RESISTANCE INCLUDE THE FOLLOWING:*

- *Age under 2 years old or daycare*
- *Prior antibiotic use within the last month*
- *Prior hospitalization within the last 5 days*
- *Immunocompromised*

DURATION OF TREATMENT

Risk for resistance present	**7 days, consider 10 days if there is no symptom improvement within 5 days**
No risk for resistance	**5 days, consider 7 days if there is no symptom improvement within 3 days**

Chow AW, Benninger MS, Brook I, et al. Executive Summary: IDSA Clinical Practice Guideline for Acute Bacterial Rhinosinusitis in Children and Adults. *Clinical Infectious Diseases*. 2012;54(8):1041-1045. doi:https://doi.org/10.1093/cid/cir1043

Wald ER, Applegate KE, Bordley C, et al. Clinical Practice Guideline for the Diagnosis and Management of Acute Bacterial Sinusitis in Children Aged 1 to 18 Years. *PEDIATRICS*. 2013;132(1):e262-e280. doi:https://doi.org/10.1542/peds.2013-1071