



## MEDICAL TIPS

### **BLUMOX-CA DRY SYRUP**

*Issue XII, No. 47, 2022*

**Efficacy and safety of switching from intravenous to oral antibiotics (amoxicillin-clavulanic acid) versus a full course of intravenous antibiotics in neonates with probable bacterial infection (RAIN): a multicentre, randomised, open-label, non-inferiority trial**

*Keji FM et.al. Lancet Child Adolesc. Health. 2022; 6(11): 799-809.*

- Blood cultures for newborns have a limited sensitivity, and the majority of those who have a likely bacterial infection get prolonged intravenous (IV) broad-spectrum antibiotic therapy.
- Neonates (n=510) were randomly assigned (1:1) to switch to an oral suspension of amoxicillin 75 mg/kg plus clavulanic acid 18.75 mg/kg (in three daily doses) or were continued on IV antibiotics for 7 days.
- The cumulative reinfection rate at day 28 was similar between the groups (one vs one).
- Median duration of hospitalization was significantly shorter in the amoxicillin-clavulanic acid group vs the IV antibiotics group (3.4 days vs 6.8 days).

**Neonatal antibiotic switch therapy initiated early for probable bacterial infection is safe and efficacious and therefore would have a positive impact on neonatal well-being.**

