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**LATE-ONSET NEONATAL SEPSIS CAUSED BY KLEBSIELLA PNEUMONIAE IN PRETERM INFANT**

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**Title of Case(s):** LATE-ONSET NEONATAL SEPSIS CAUSED BY KLEBSIELLA PNEUMONIAE IN PRETERM INFANT

**Background:** Neonatal sepsis (NS) is a life-threatening urgent condition, which can lead to multi-organ failure and death. Late-onset NS is a common problem of Neonatal Intensive Care Units (NICU) because baby who already has severe condition due to another disease / diseases can be easily contaminated and infected with hospital microorganisms such as Klebsiella pneumoniae. The risk is much greater in preterm infants because of immaturity background.

**Case Presentation Summary:** Newborn boy was admitted to the NICU after birth with primary diagnosis: "Respiratory distress syndrome". Baby is from 6<sup>th</sup> pregnancy, 5<sup>th</sup> delivery in 29 weeks of gestation via C-section. Birth weight – 1480 g. Apgar score assessment – 6/7. Downes score assessment – 4/6. Respiratory support in CPAP mode and administration of exogenous surfactant were prescribed. Condition of the baby was stabilized. On the 7<sup>th</sup> day of life poor feeding and vomiting appear. CBC: leukocytosis. CRP: positive. Blood culture: Klebsiella pneumoniae was identified. Clinical diagnosis: "Late-onset NS (Klebsiella pneumoniae)". Antibacterial treatment: Cefoperazone, Gentamicine Outcome: boy was discharged on 38<sup>th</sup> day of life with satisfactory general condition, body weight – 2515 g. Pediatric and neurological follow up was recommended.

**Learning Points/Discussion:** NS is still one of the major causes of morbidity and mortality among infants. Premature newborns can have not so clear clinical presentation of the sepsis. It makes us to pay more attention for any, even the least, change in their condition to diagnose and manage sepsis as soon as possible cause delay with the treatment can lead to severe complications and death.