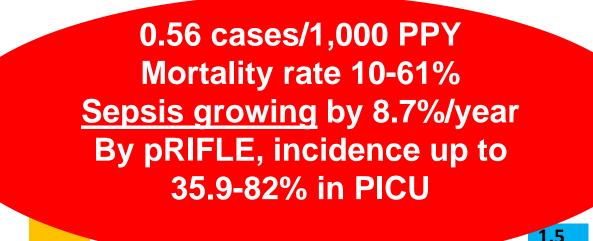
## When to consider renal replacement therapy in pediatric sepsis?

Lt.Col. Konggrapun Srisuwan MD. Dialysis, Apheresis and Transplantation Program Department of Pediatrics, Phramongkutklao Hospital Pediatric Critical Care 2015: The Essentials

# Scope

- Burden of AKI and sepsis induced-AKI (SAKI)
- Conceptual framework and targeted approach for AKI
- Pathogenesis of SAKI
- Renal replacement therapy in AKI and futures developments

#### Age-related comparative yearly incidence of AKI



Martin-Ancel A. J Pediatr 1995, Goldstein SL. Blood Purif 2012 Himmelfarb J& Ikizler TA,. Kidney Inter 1998

#### Thai AKI-EPI study (AKI in ICU) Incidence 56.1% Mortality rate 41.9%

### Sepsis-induced AKI (SAKI)

- Sepsis (contributing factor) → AKI
- Sepsis accounted for 21.4% of AKI
- Mortality of 45% up to 77%
- SAKI increased in-hospital mortality, longer ICU and hospital stay when compared with non-SAKI