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| **10-10:30** | **Intro to PICU** |
| **Dr S Playfor** | What is PICU, who comes and what for? what does PICU cost and what does it achieve? Context: causes of morbidity and mortality.  MDT roles; who makes a PICU?  PICANet The future of PICU |
|  | **Physiology - what's gone wrong when children get sick & how PICU supports physiology** |
| **10:30-11:00****Dr G Subramanian** | Shocked Child (Sepsis) Surviving sepsis guidelinesCardiovascular changes. Fluid & electrolyte status & requirements. O2 physiology, optimising delivery, RBC physiology, transfusion targets / evidence.  |
| **11:00-11:30****Dr S Gopisetti** | Severe pneumonia progressing to ARDS on PICU Why is the approach to children different (and the same) to adults?Basic respiratory physiology & failing lungsWhat keeps a pt alive, vs. actually makes them better. Lung protective strategies  |
| **1130-1145** | **Coffee break**  |
|  | **ITU Pharmacology; induction agents, sedation and vasoactive meds** |
| **1145-1215****Dr J Robery**  | Pharmacokinetics and pharmacodynamics in critical illness Induction agents & risks of inductions / mitigating risksSedation and analgesiaVasoactive meds |