How to Manage: Paediatric Sepsis

Date | Friday 20th November
Online Platform | Zoom
Audience | Paediatric Trainees, SAS doctors, Consultants and any AHPs working in acute paediatrics

08:30	**Registration**	
Chair: Dr Emma Lim, Consultant Paediatrician and Paediatric Sepsis Lead, Newcastle Upon Tyne		
09:00	Welcome and introduction	**Dr Emma Lim** Consultant in General Paediatrics and Paediatric infectious Diseases and Immunology, Great North Children's Hospital, Newcastle upon Tyne
09:15	Sepsis: A Parent's Perspective	film
09.30	Sepsis recognition	**Dr Emma Lim**
10:15	**Break**	
10.30	Sepsis management – antibiotics	**Dr Andrew Riordan** Consultant in Paediatric Infectious Diseases and Immunology, Alder Hey Children's Hospital, Liverpool
11.15	Sepsis management – fluids and inotropes	**Dr Peter Davis,** Consultant Paediatric Intensivist, University Hospitals Bristol NHS Foundation Trust
12:00	**Lunch**	
The following sessions work in rotation please see your workshop groups for your exact timings		
13:00	**Workshop:** Sepsis and the infant/neonate	**Dr Emily** Chessyre Consultant Paediatrician Royal Devon and Exeter NHS Foundation Trust, Exeter
	Workshop: Sepsis in the Immunocompromised Child	**Dr Christo Tsilifis,** Teaching Fellow, Great North Children's Hospital, Newcastle upon Tyne
	Workshop: transferring a child with sepsis	**Dr Natasha Bell** General Paediatric Consultant Great North Children's Hospital, Newcastle upon Tyne **Snr Rio Davidson,** Nurse and Clinical Educator,

	Workshop: Simulation	**Dr Tim Mason** SIM fellow ST8 North Devon NHS Healthcare Trust, Barnstaple **Dr David Bartle** Consultant Neonatologist /Paediatrician Trust Simulation Lead Royal Devon and Exeter NHS Foundation Trust, Exeter
	Break 15 mins x 2	
16:00	Final Q&A session	**Panel**
17:00	**Close**	

Course aim
This study day will enable you to recognise and manage life-threatening paediatric sepsis. It will provide you with the confidence and practical skills to manage sepsis and prescribe in acute scenarios.

Learning outcomes
By the end of this course, you will be able to:

- Describe the early signs of sepsis
- Appraise parents' assessment of their children
- Explain which is the most appropriate antibiotic to choose
- Discuss current issues in fluid resuscitation
- Estimate which inotrope to use, when and how much
- Compare differences in children with complex health conditions
- Differentiate between orders of immunodeficiency
- Analyse appropriate management strategies in these cases
- Practise and assess your knowledge and skills through sepsis simulation scenarios.

Sepsis simulation – What to expect.
We are delighted to offer simulation as an adjunct to learning on the Sepsis day. Many people will be familiar with the benefits of simulated scenarios. They help to embed learning in a practical and fun way, enabling learning to be transferred back to the wards and benefit our patients. The 2 simulation scenarios on the sepsis day aim to replicate the team approach that we have in real life. The simulated learning is based around learning points from the day as a whole.

This is not an assessment or test and is not designed to trip you up. The scenarios are designed around real-life situations and allow us to explore delivering high quality care to our patients. Simulation is a great way to put the theory you have learnt into practice in a fun and engaging way which we hope that you will enjoy.

The simulation videos are now available to watch on the Compass resource page. Please note: there are two 360 simulation videos- line sepsis and surgical sepsis- **please watch both ahead of the course and write down your observations on the feedback form attached.** Only one 360 video will be shown on the day. The Communication and PPE video is not a 360 video, please watch and write down your observations on the second feedback form attached.

Course Lead

Emma Lim is a Consultant in General Paediatrics and Paediatric Infectious Diseases and Immunology at the Great North Children's Hospital in Newcastle upon Tyne and Paediatric Sepsis Lead for the trust. She has worked regionally and nationally with the Academic Health Science Network, and the Sepsis Trust to increase awareness and develop sepsis pathways. She is an investigator in the EU PERFORM and DIAMONDS Horizon 2020 study to improve management of febrile patients and is the course lead for the RCPCH How to Manage: Paediatric Sepsis series.

This course has been approved in accordance with the current RCPCH CPD guidelines.

Please note that due to unforeseen circumstances, sessions and presenters may be subject to change.