

Paediatrics SIG Develop and Share High Quality, Inter-professional, Paediatric 6-Year-Old Sepsis Management Scenario

The ASPiH Paediatric Special Interest Group have developed a Paediatric 6-Year-Old Sepsis Management Scenario using the iRIS Scenario Design System, which is freely available to all. It has been developed so that it can be used in a variety of simulation environments.

Our vision for the Paediatric SIG

this year was to create simulation content which could be used across different settings, with varying resources, and would have potential to enhance the care of a large number of paediatric patients. We needed to find a way to ensure that the views and practice of a wide range of healthcare professionals across the UK and Ireland were reflected, in order to maximise transferability and uptake. iRIS helped us to achieve this.

Lydia Lofton, ASPiH Paediatric SIG Chair

The team of specialists from across the UK and Ireland used the iRIS Scenario Design System to collaborate and co-develop the simulation, and all the required resources in a standardised way. The scenario details a 6 year-old presenting generally unwell when brought to the ED by a parent. He has been back and forward to the GP and Walk in Centre

over the last week. He is now tachycardic and hypovolaemic with pyrexia of 39 and appears septic. The patient will continue to deteriorate, needing advanced airway management and intubation due to reducing GCS and fluid requirements. The patient has fluid resistant shock, so will need inotropic support following initial fluid resuscitation.



The scenario is aimed at a range of ED and paediatric staff and focuses on initial assessment and management through to escalation and effective handover to PICU. The Emergency Department team should escalate treatment early, both within the hospital to anaesthetics/ITU and to their local PICU/paediatric retrieval service.

The scenario and all resources, are freely available to all simulation professionals directly through iRIS or via this link on the ASPiH site: www.aspih.org.uk/paediatric-sig-sepsis-scenario/



Using iRIS helped the SIG Team to:

- Co-design far more efficiently than emailing scenario templates and resources to each other
- Develop a high quality resource in six short sessions
- Work on one single version at all times
- Stay aligned and productive - not all the team were present at each session, but those who weren't immediately saw the updates, their actions, and contributed accordingly
- Create and provide one-click access to all the resources used to setup and run the simulation such as Director and Setup Briefings, blood gas results, ECG's and X-Rays
- Create mature materials that can be immediately shared across the wider community

+ Add Setup - Training Props - Moulage, Room, Monitor setup etc. ⓘ			
Item	Description	Linked Document	
<input type="checkbox"/> Blood Gasses	1 - ABG initial presentation	Blood gas initial presentation.docx	
<input type="checkbox"/> Blood Gasses	2- Blood Gas progression after bolus	Blood gas progression with bolus .docx	
<input type="checkbox"/> Blood Gasses	4 - Blood gas deterioration	Blood gas deterioration.docx	
<input type="checkbox"/> Other	initial GP referral letter	GP Practice Referral Letter.docx	
<input type="checkbox"/> Blood Gasses	Blood gas for initial state	Blood gas template.docx	
<input type="checkbox"/> Other	Sepsis guidelines	ED-5-11-NICE-Final-1107-1.pdf	
<input type="checkbox"/> Other	1st ECG rate 150 ish	First ECG better resolution.png	
<input type="checkbox"/> Blood Gasses	3 - Blood gas after inotropes	Blood gas after inotropes.docx	
<input type="checkbox"/> Radiology Results	nomal chest	Normal chest xray 6 yr old.JPG	

iRIS provided the Paediatric SIG with a collaborative platform where they could work together and separately to develop the simulation. It guided the team through a robust and standardised simulation development process. It enabled the team to manage their work together, and gave them the tools to thoroughly gather and organise all the resources needed to run the Simulation.

Lydia Lofton, ASPIH Paediatric SIG Chair

iRIS allows all simulation professionals to:

- Maximise the impact of simulations through standardised, high quality scenario design
- Achieve significant time efficiencies for design and collation of simulation resources
- Reduce the time and effort required to train colleagues in the authoring of content
- Increase the impact of high quality content through sharing across the community.

*iRIS is a low-cost, high value Scenario Design System
For more on iRIS, please contact info@irishealthsim.com*

WWW.IRISSIMULATIONAUTHORING.COM