

# Paediatric Neuroscience Module 1: Foundations of Care and Interventions

## Day 1

Session Title	Indicative Content
<b>Course Welcome</b>	<ul style="list-style-type: none"> <li>• Introduction to the course</li> <li>• Moodle VLE</li> <li>• Expectations / Questionnaire</li> <li>• Assessment / Mentorship</li> </ul>
<b>CNS A&amp;P review</b>	<ul style="list-style-type: none"> <li>• Review CNS A&amp;P- Moodle quiz, Scans</li> </ul>
<b>Neuro Assessment</b>	<ul style="list-style-type: none"> <li>• GCS/ AVPU</li> <li>• Scenarios/ Case Studies</li> <li>• Challenges</li> </ul>
<b>Hydrocephalus</b>	<ul style="list-style-type: none"> <li>• Types of Hydrocephalus</li> <li>• Symptoms / Investigations / Treatment / Emergency Management</li> </ul>

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## Day 2

Session Title	Indicative Content
<b>Traumatic Brain Injury</b>	<ul style="list-style-type: none"> <li>• Trauma Network</li> <li>• Types of TBI</li> <li>• Initial Nursing Management</li> </ul>
<b>Genomics</b>	<ul style="list-style-type: none"> <li>• Role of genetic counsellor</li> <li>• Review of Genetics</li> </ul>
<b>Neuro-Psychology Post Traumatic Amnesia</b>	<ul style="list-style-type: none"> <li>• Role of Neuro- Psychologist (TBI / Epilepsy)</li> <li>• Assessment / PTA</li> </ul>
<b>Spinal Injury</b>	
<b>CNS Infection Preparation</b>	<ul style="list-style-type: none"> <li>• Time for Prep for next week's presentations</li> </ul>

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## Day 3

Session Title	Indicative Content
<b>Recap</b>	<ul style="list-style-type: none"> <li>• A&amp;P revision</li> </ul>
<b>Neuro-Vascular Injuries</b>	<ul style="list-style-type: none"> <li>• Presentation / Management               <ul style="list-style-type: none"> <li>○ AVM</li> <li>○ Stroke / Sinus- Venous Thrombosis</li> <li>○ Spinal Stroke</li> </ul> </li> </ul>
<b>Paediatric CNS tumours</b>	<ul style="list-style-type: none"> <li>• Role</li> <li>• Epidemiology /Presentation</li> </ul>
<b>Paediatric CNS tumours</b>	<ul style="list-style-type: none"> <li>• Post –operative Management (Complications- Function, Endocrine)</li> </ul>
<b>CNS Infections</b>	
<b>Education Resource Assessment</b>	<ul style="list-style-type: none"> <li>• Topics/ Presentation / Marking</li> <li>• MCQ/ Clinical Competencies</li> </ul>

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## Day 4

Session Title	Indicative Content
<b>Recap</b>	<ul style="list-style-type: none"> <li>• A&amp;P focus</li> </ul>
<b>Epilepsy</b> <ul style="list-style-type: none"> <li>• Neurophysiology</li> </ul>	<ul style="list-style-type: none"> <li>• Role of Neurophysiology</li> <li>• Types of seizures (videos)</li> </ul>
<b>Epilepsy</b>	<ul style="list-style-type: none"> <li>• Role of Epilepsy Nurse</li> <li>• Referral / Investigations</li> <li>• First Line management /Status Epilepticus</li> </ul>
<b>Epilepsy management</b> <ul style="list-style-type: none"> <li>• Ketogenic diet</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to ketogenic diet</li> </ul>
<b>Epilepsy management</b> <ul style="list-style-type: none"> <li>• VNS</li> </ul>	<ul style="list-style-type: none"> <li>• VNS – choice, contra indications, care of</li> </ul>
<b>Neuro-Metabolic Disorders</b>	<ul style="list-style-type: none"> <li>• Aetiology</li> <li>• Presentation /Management</li> </ul>

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## Day 5

Session Title	Indicative Content
<b>Recap</b>	
<b>Cerebral Palsy</b>	<ul style="list-style-type: none"> <li>• Role</li> <li>• Epidemiology</li> <li>• Presentation</li> </ul>
<b>Neuro-Muscular Disorders</b>	<ul style="list-style-type: none"> <li>• Aetiology</li> <li>• Duchenne's Muscular Dystrophy</li> <li>• Spinal Muscular Atrophy</li> </ul>
<b>Rehabilitation Team</b>	<ul style="list-style-type: none"> <li>• Role of Physio / SALT / OT</li> <li>• Case Study</li> </ul>
<b>Palliative Care/ Parallel Planning</b>	

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## Day 6

Session Title	Indicative Content
MCQ	
MCQ Feedback	
Education Resources- presentation	
Psychology First Aid	<ul style="list-style-type: none"><li>• Psychological Support</li><li>• Managing expectations of families/ Staff</li></ul>
Course Evaluation	