



The Sydney
children's
Hospitals Network

SCHN: Essential Paediatrics

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SCHN: Essential Paediatrics Overview

The SCHN: Essential Paediatrics program is designed to provide healthcare professionals with the skills, knowledge and confidence to deliver effective care for children and young people in their care. The program covers essential paediatric presentations and issues commonly presented in primary care and is aimed at the general practitioner who see children in a clinical or emergency setting.

Learning principles

The Essential Paediatrics curriculum content is developed around the core principles of developing skills in treating the paediatric population.



Assessment – History taking, examination, recognition of acute and sometime subtle, presentation of acute conditions.

Investigation – Arrange appropriate and timely investigations, reducing the over investigation to limiting distress for patients and cost to health services.

Management – Implement evidenced based, age-appropriate management to manage safely in the community. Provide safety-netting education for families in cases of deterioration and recognise when care needs to be escalated to specialist/tertiary services.

Advocacy – Advocate for all children and young people, especially for those at risk and indigenous populations. Educate children, carers, and families by means of health promotion and, provide timely and appropriate referrals to maximise health outcomes.

Communication – Presenters will impart their years of experience to provide helpful tips and tricks on engaging with children and their families as well as the importance of asking the right questions when examining a range of paediatric presentations.

The program is suitable for General Practitioners, Junior Medical Doctors, Registrars, Physicians and Nurse Practitioners.

Learning outcomes

- Assess a child using paediatric history and examination techniques including a developmental assessment, recognise 'Red Flags' presentations.
- Organise and interpret necessary investigations to assist with reaching a diagnosis in a timely manner whilst avoiding unnecessary costly and painful procedures.
- Implement evidenced-based management plans for common paediatric presentations.
- Advocate for all patients and families for improved health outcomes in all children, including those at risk, by providing timely interventions and safety netting.

Structure

The SCHN: Essential Paediatrics program is comprised of 12 modules of study. Each module contains recorded lectures, resources, weblinks and a knowledge-checking quiz. End of module quizzes will comprise of single best answer questions, to test the application of knowledge gained from the module. Feedback will be presented for correct and incorrect responses, and participants will have multiple attempts.

When all module components are completed, participants will be awarded with a Certificate of Completion, for their continuing professional development records and self-submission.

Module Name	CPD Hours
Module 1. Newborn and Infant Health	10
Module 2. Common Congenital Abnormalities	10
Module 3. Development and Behaviour	12
Module 4. Respiratory	10
Module 5. Infectious Diseases	10
Module 6. Gastroenterology and Urology	9
Module 7. Allergy and Autoimmune	8
Module 8. Haematology, Rheumatology, Pain Management and Oncology	8
Module 9. Paediatric Surgical Problems	10
Module 10. Neurology	10
Module 11. The Growing Child	12
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Module 1. Newborn and Infant Health

10 hours of learning

Module 1 Learning Outcomes

- Detect, evaluate, and assess common newborn and infant presentations.
- Manage common newborn and infant disorder with evidenced-based practice, resuscitating and/or escalate care for acutely unwell infants.
- Advocate for all patients and families for improved health outcomes in all children, including those at risk, by providing timely interventions and safety netting.

Module Outline

The Newborn and Infant Health module will introduce routine newborn care, common medical presentations, newborn and early infancy feeding issues and their routine evidenced-based management. Presenters in this module provide a holistic view of child health and provide strategies to advocate for all children and families, including those at risk.

Participants will have an opportunity to test their understanding with in-lecture questions and through application of knowledge end of module quizzes. Upon completion of the lecture content and end of module quiz, participants will be awarded with a certificate of completion which can be downloaded from the learning platform.

Module 1 Topics

Newborn Examination

Lactation and its Challenges

Neonatal Jaundice

Apnoea in Infants and Sudden Infant Death Syndrome

Issues in Infancy: Crying, Sleeping and Family

The Vomiting Infant

Graduates of Neonatal Care

Infant Nutrition and Toddler Feeding

Faltering Growth

Immunisation

The Approach to the Unwell Infant

Health Issues in Disadvantaged Children

Difficulties Dealing with Parents

Paediatric Resuscitation

End of Module Quiz

Certificate of Completion

Module 2 – Common Congenital Abnormalities

10 hours of learning

Module 2 Learning Outcomes

- Recognise and assess common congenital abnormalities.
- Arrange appropriate investigations and recognise when specialist input is required.
- Implement age-appropriate management, both short and long-term conditions, including prevention strategies to maximise health outcomes.

Module Outline

The Common Congenital Abnormalities module provides an overview of common congenital abnormalities and generic variations. Presenters impart their knowledge and skills to confidently assess variations of normal presentations, order appropriate investigations and recommend when to refer to for specialist input or manage safely in the community.

Participants will have an opportunity to test their understanding with in-lecture questions and through application of knowledge end of module quizzes. Upon completion of the lecture content and end of module quiz, participants will be awarded with a certificate of completion which can be downloaded from the learning platform.

Module 2 Topics

Cleft Lip and Palate

Birthmarks

Abnormal Head Shapes

Cardiac Disease of the Newborn

Congenital Liver Disease

Genetic Tests in Paediatrics - Choices and Challenges

Trisomy 21 and other common genetic variations

Developmental Dysplasia of Hips

Neural Tube Defects

Differences/Disorders of Sex Development (DSD)/Intersex

Demystifying Inborn Errors of Metabolism

End of Module Quiz

Certificate of Completion

Module 3. Development and Behaviour

12 hours of learning

Module 3 Learning Outcomes

- Recognise, assess, children presenting with common developmental and behavioural issues.
- Manage children with common developmental and behavioural issues.
- Advocate for children and families, including at risk populations, with timely, and appropriate, interventions strategies.

Module Outline

In the Development and Behaviour module, participants learn how to assess normal childhood development, as well as recognise and evaluate developmental concerns or behavioural challenges in children and vulnerable populations.

This module covers topics from handling tantrums to addressing ADHD and learning difficulties, participants will learn how to recognise signs of child abuse, explore developmental disabilities, and highlighting the importance of early intervention strategies to effectively support and advocate for children and families.

Participants will have an opportunity to test their understanding with in-lecture questions and through application of knowledge end of module quizzes. Upon completion of the lecture content and end of module quiz, participants will be awarded with a certificate of completion which can be downloaded from the learning platform.

Module 3 Topics

Paediatric History and Examination

Engaging Children

Adverse Childhood Experiences

Approach to the Child with Developmental Concerns

Tantrums and other Normal Toddler Behaviours

Behavioural Problems in School Age Children

Speech and Communication Problems in Children

ADHD

Learning Difficulties

Recognising and Reporting Child Abuse

Developmental Disabilities

The Importance of Early Intervention and the Role of NDIS

Child and Family Relationships

End of Module Quiz

Certificate of Completion

Module 4. Respiratory and ENT

10 hours of learning

Module 4 Learning Outcomes

- Recognise and assess common respiratory and ENT presentations.
- Implement age-appropriate management, both short and long-term conditions, including prevention strategies to maximise health outcomes.
- Advocate for children and families, including at risk populations.

Module Outline

The respiratory and ENT module provides a comprehensive overview into acute presentations, assessments and management strategies for respiratory, ears, nose and throat conditions in children. Lectures draw on current research, guidelines and health policies to assist participants in developing short-term and long-term management plans for patients and families.

This module covers topics such as breathing difficulties, acute asthma, airway obstructions, hearing loss and more, participants will gain insights into conditions commonly encountered in primary care.

Participants will have an opportunity to test their understanding with in-lecture questions and through application of knowledge end of module quizzes. Upon completion of the lecture content and end of module quiz, participants will be awarded with a certificate of completion which can be downloaded from the learning platform.

Module 4 Topics

Approach to the Child with Breathing Difficulties

Acute Asthma

Asthma Devices

Asthma Action Plans

Severe Asthma

Chronic Asthma Management

Acute Upper Airway Obstruction

Bronchiolitis

Pneumonia

Chronic Suppurative Lung Disease in Children

Tonsillitis

Paediatric Epistaxis

Obstructive Sleep Apnoea

Outer and Middle Ear Conditions

Hearing Loss and Deafness in Children

End of Module Quiz

Certificate of Completion

Module 5. Infectious Diseases

10 hours of learning

Module 5 Learning Outcomes

- Recognise and assess common infectious disease presentations.
- Arrange appropriate and timely investigations to form differential diagnoses.
- Formulate evidenced based management plans, escalating care for critical conditions, and provide safety netting advice to carers.

Module Outline

The Infection Diseases module reviews a range of acute presentations from the febrile child, infections, gastroenteritis, skin infections and more. The module presents basic sciences on common and complex clinical cases with practical advice provided by local expert clinicians.

Drawing on personal experiences, current research and guidelines, presenters will share their approaches on assessment and management to infection disease and how to effectively develop suitable management plans for patients and families.

Participants will have an opportunity to test their understanding with in-lecture questions and through application of knowledge end of module quizzes. Upon completion of the lecture content and end of module quiz, participants will be awarded with a certificate of completion which can be downloaded from the learning platform.

Module 5 Topics

Approach to the Febrile Child 3 years to 3 months

Approach to the Febrile infant - less than 3 months

Exanthems

Gastroenteritis

Paediatric Skin Infections

Bone and Joint Infections

Meningitis

Tuberculosis in Children

Approach to the Paediatric Traveller

HIV

Antibiotics and Resistance

Refugee Health

End of Module Quiz

Certificate of Completion

Module 6. Gastroenterology and Urology

8 hours of learning

Module 6 Learning Outcomes

- Recognise and assess common gastroenterological and urological presentations.
- Arrange appropriate investigations and recognise when specialist input is required.
- Formulate evidenced based management plans, escalating care for critical conditions, and provide safety netting advice to carers.

Module Outline

The Gastroenterology and Urology module covers conditions commonly presented in primary care and provides insights into examination, assessment, and management of common and acute conditions in children.

Presenters share their knowledge, skills and experience highlighting relevant basic clinical science, common presentations and offer evidence-based management strategies for short and long- term surveillance of these conditions.

Participants will have an opportunity to test their understanding with in-lecture questions and through application of knowledge end of module quizzes. Upon completion of the lecture content and end of module quiz, participants will be awarded with a certificate of completion which can be downloaded from the learning platform.

Module 6 Topics

Approach to the Vomiting Child and Dehydration

Recurrent Abdominal Pain in Children

Constipation and Faecal Incontinence

Chronic Diarrhoea and Malabsorption

Inflammatory Bowel Disease

Liver Disease in Children

Coeliac Disease

Urinary Tract Infection and Vesico Ureteric Reflux

Haematuria and Proteinuria

Nocturnal Enuresis and Incontinence

End of Module Quiz

Certificate of Completion

Module 7. Allergy and Autoimmune

9 hours of learning

Module 7 Learning Outcomes

- Recognise and assess common and complex allergy and autoimmune conditions presentations.
- Arrange appropriate investigations and recognise when specialist input is required.
- Provide long-term patient surveillance and family support.

Module Outline

The Allergy and Autoimmune module reviews common allergy and autoimmune presentations commonly encountered in primary care. Lectures include insights on recognition, assessment and a structured approach to management.

Participants will learn about health promotion strategies currently available to effectively support patients living with these conditions, from presenters that review clinical guidelines and shared experiences from discussing clinical case-based scenarios.

Participants will have an opportunity to test their understanding with in-lecture questions and through application of knowledge end of module quizzes. Upon completion of the lecture content and end of module quiz, participants will be awarded with a certificate of completion which can be downloaded from the learning platform.

Module 7 Topics

Atopic Dermatitis - Management

Atopic Dermatitis - Pathogenesis

Atopic Dermatitis - Clinical Assessment

Allergic Airway Diseases

Eosinophilic Oesophagitis

Food Allergies – IgE-mediated

Food Intolerances

FPIES

Medication Allergies and Adverse Reactions

Immunology for GPs

Anaphylaxis Management

Immunotherapy Update

Allergy and Allergic Diseases

End of Module Quiz

Certificate of Completion

Module 8. Haematology, Rheumatology, Pain Management and Oncology

8 hours of learning

Module 8 Learning Outcomes

- Recognise and assess common and complex presentations.
- Arrange appropriate investigations and recognise when specialist input is required.
- Formulate evidenced based management plans, escalating care for critical conditions, and provide safety netting advice to carers.

Module Outline

The Haematology, Rheumatology, Pain management and Oncology module covers common, acute childhood emergency presentations, their assessment, radiological and other investigations, and escalation strategies in care.

Presenters share their knowledge, skills and experience through clinical case-based scenarios and highlighting relevant basic clinical science and offer evidence-based management strategies for short and long- term surveillance of these conditions.

Participants will have an opportunity to test their understanding with in-lecture questions and through application of knowledge end of module quizzes. Upon completion of the lecture content and end of module quiz, participants will be awarded with a certificate of completion which can be downloaded from the learning platform.

Module 8 Topics

Rheumatic Diseases in Children

Arthritis in Children

Recurrent Fever Syndromes (PFAPA / FMF)

Rheumatic Fever and its Complications

Anaemia

Bruising and Bleeding in Children

Neutrophil and Platelet Disorders

Approach to Childhood Malignancy

Paediatric Pain Management

Paediatric Palliative Care

End of Module Quiz

Certificate of Completion

Module 9. Paediatric Surgical Problems

10 hours of learning

Module 9 Learning Outcomes

- Detect, evaluate, and assess common surgical issues in the paediatric population.
- Arrange appropriate investigations and recognise when specialist input is required.
- Formulate evidenced based management plans, escalating care for critical conditions, and provide safety netting advice to carers.

Module Outline

The Paediatric Surgical Problems module covers common clinical scenarios from burns, trauma to bowel obstructions, fractures and more. Participants learn how to recognise acute and critical conditions, arrange appropriate investigation techniques and when to escalate for specialist input.

Presenters share their knowledge, skills and experience through clinical case-based scenarios and highlighting relevant basic clinical science.

Participants will have an opportunity to test their understanding with in-lecture questions and through application of knowledge end of module quizzes. Upon completion of the lecture content and end of module quiz, participants will be awarded with a certificate of completion which can be downloaded from the learning platform.

Module 9 Topics

Burns

Paediatric Trauma

Acute Abdomen

Intussusception and Bowel Obstruction

Common Surgical Problems 'North'

Common Surgical Problems 'South'

Childhood Fractures

Chest Imaging

Abdominal Imaging

Paediatric Musculoskeletal Imaging

Nuclear Medicine - Overview Nuclear Medicine in Paediatrics

End of Module Quiz

Certificate of Completion

Module 10. Neurology

10 hours of learning

Module 10 Learning Outcomes

- Recognise and assess common neurology presentations.
- Arrange appropriate investigations and recognise when specialist input is required.
- Formulate evidenced based management plans, escalating care for critical conditions, and provide safety netting advice to carers.

Module Outline

The Neurology module covers common neurological conditions presented with personal reflections and context by local neurology experts. The module covers topics from the fitting child to cerebral palsy and brain injuries.

Participants learn how to recognise and assess common conditions in children and know when to escalate care confidently through review of clinical guidelines and clinical case-based scenarios shared by local experts.

Participants will have an opportunity to test their understanding with in-lecture questions and through application of knowledge end of module quizzes. Upon completion of the lecture content and end of module quiz, participants will be awarded with a certificate of completion which can be downloaded from the learning platform.

Module 10. Neurology - Topics

Neurological Examination in Kids

Febrile Seizures

The Fitting Child

Epilepsy

Seizure Mimickers in Children

Headaches in Children

The Drowsy / Unconscious Child

Approach to the Child with Weakness

Cerebral Palsy

Brain Injuries

End of Module Quiz

Certificate of Completion

Module 11 - The Growing Child

12 hours of learning

Module 11 Learning Outcomes

- Recognise and assess common acute presentations seen in the paediatric population.
- Arrange appropriate investigations and recognise when specialist input is required.
- Formulate evidenced based management plans, escalating care for critical conditions, and provide safety netting advice to carers.

Module Outline

This module covers common and acute presentations commonly encountered in the paediatric population. Lectures include insights on recognition, assessment, and a structured approach to management. Participants will learn about health promotion strategies currently available to effectively support patients living with these conditions.

Presenters share their knowledge, skills and experience highlighting relevant basic clinical science, common presentations and offer evidence-based management strategies for short and long- term surveillance of these conditions.

Participants will have an opportunity to test their understanding with in-lecture questions and through application of knowledge end of module quizzes. Upon completion of the lecture content and end of module quiz, participants will be awarded with a certificate of completion which can be downloaded from the learning platform.

Module 11 Topics

Growth Disorders in Children

Obesity

Sleep and Sleep disorders

The Limping Child

Postural Problems in Childhood

Common Eye Disorders in Childhood

Paediatric Sports Medicine

Concussion

Diabetes Mellitus

Paediatric Endocrine Emergencies

Hypertension in Children

Nutritional Rickets in Children

Paediatric Dentistry

Paediatric Poisonings

End of Module Quiz

Certificate of Completion

Module 12 - Adolescent Medicine

11 hours of learning

Module 12 Learning Outcomes

- Detect, evaluate, and assess common adolescent issues.
- Formulate differential diagnoses and develop age-appropriate management strategies escalating care for critical conditions and provide safety netting advice to carers.
- Advocate and promote health and wellbeing.

Module Outline

The Adolescent Medicine module will provide participants with an informed, structured approach to common adolescent issues, including mental health. Further, participants will be confident to promote and advocate for adolescent health.

The module covers a range of acute and chronic adolescent medical conditions, their presentation, assessment and highlights best practice approaches to the management of these conditions.

Participants will have an opportunity to test their understanding with in-lecture questions and through application of knowledge end of module quizzes. Upon completion of the lecture content and end of module quiz, participants will be awarded with a certificate of completion which can be downloaded from the learning platform.

Module 12 Topics

Approach to Adolescents

Informed consent and confidentiality

Cultural Context

Normal Puberty and Disorders of Puberty

Mental Health Assessment of Children and Adolescents

Anxiety Disorders in Children and Adolescents

Mood Disorders and Suicide

Medical Complications of Anorexia Nervosa in Adolescents

Drug and Alcohol Use in Adolescents

Adolescent Sexual health

Paediatric and Adolescent Gynaecology

Chronic Illness in Adolescents

Acne

End of Module Quiz

Certificate of Completion

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