



Diplomate of Australian College of Chiropractic Paediatrics (DACCP)

Course outline 2024-5

Course Presenters

Dr Braden Keil	<i>BAppSc(Chiropractic) MChiro(MPaediatrics) FICC FACCP</i>
Dr Christian Fludder	<i>BChiroSc MChiro DACCP</i>
Dr Jenelle Bourgeois	<i>DC DACCP</i>
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Diplomate of Australian College of Chiropractic Paediatrics (DACCP)

Offered for the first time in 2013 the Diplomate program is a two-year chiropractic paediatric course. This course is ideal for the family chiropractor wanting to improve his or her knowledge in chiropractic paediatrics. The emphasis is on conditions and management issues which are commonly seen by the family or paediatric chiropractor.

The course is structured around 20 four-week modules over two years. Each module consists of required reading, exercises and at the end of each four-week module there is a six-hour seminar. Each six-hour seminar will reinforce the reading and develop the practical and management skills needed to feel confident in providing optimal chiropractic care for children.

After you enrol and send the first payment you will be sent the reading material for Module 1 and 2. The reading material is based on six to ten hours of your time each week. This means there will be a total of 24 hours of reading material for each Module. The material for the second weekend will be available at the first Seminar. At each subsequent seminar the reading material for the following weekend will be provided.

The reading material will include key, relevant and up to date journal articles, reference material for use in practice, information from key texts and video or PowerPoint presentations. Completion of year 1 gains a **Certificate** and completion of year 2 as well as successfully passing 2 two hour written examinations and a 1-hour practical examination will satisfy the **Diplomate** award.

Please contact admin@chiropaeds.com.au for details.

As places will be limited it is best to email or fax a completed enrolment form as soon as possible if you would like to be part of the program for 2022.

Course starts 13 February 2024
Enrol online at chiropaeds.com.au

Year 1 Early bird enrolment by 27 January 2024 attracts a discount

Year 1 Early bird enrolment by **27 January - \$AUD 6050** (includes GST)

Year 1 Enrolment post **27 January - \$AUD 6600** (includes GST)

Payment options are available – please go to the **Chiropaeds** website for further information.

This covers the cost of all materials and seminars but does not include any books or texts you may decide to purchase

Places are strictly limited and will be allocated on a first to apply basis

Please complete attached enrolment form OR enrol online to reserve your place

For further information contact **Dr Braden Keil**

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This program has been assessed by the Chiropractors' Association of Australia (National) Ltd and allocated a continuing professional development categorisation rating of 125 hours per year.

This program has been accredited by the Australian College of Chiropractic Paediatrics and assessed as providing in excess of 800 hours of paediatric education.

Email support will be available during the course to assist you with clinical cases and questions resulting derived from course material



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Year 1 2024

Contact: Dr Braden Keil admin@chiropaeds.com.au

Year 1 Course Fees due 27 January 2024

Year 1 commences 13 February 2024

Melbourne

Saturday 1pm-7pm Sunday 8am-2pm

20-21 April	Module 1 and 2
15-16 June	Module 3 and 4
10-11 August	Module 5 and 6
14-15 September	Module 7 and 8
16-17 November	Module 9 and 10

Sydney

Saturday 1pm-7pm Sunday 8am-2pm

6-7 April	Module 1 and 2
22-23 June	Module 3 and 4
27-28 July	Module 5 and 6
21-22 September	Module 7 and 8
23-24 November	Module 9 and 10

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Year 1

Course Outline

Module 1

The paediatric case history: subluxation indicators

Neural plasticity and normal neurological development

Physical development issues: chiropractic management

- 1. Growth and development of the infant and child**
- 2. Micro and macrocephaly**
- 3. Plagiocephaly**

Pain in children

This module takes an in-depth look at normal neurological development and neural plasticity in the paediatric population with particular emphasis on the impact of the subluxation. The case history as a subluxation diagnosis tool is explored. Plagiocephaly is a perfect example of the short and long term effects of subluxation on the skeletal system and also on neurological development. Learning how to manage cases of Plagiocephaly allows us to integrate all the information and concepts we are introduced to in this Module. We finish by covering the clinical management of pain in children.

Module 2

Serious Illness in Infants and Children

- 1. Failure to thrive**
- 2. Referral criteria (red flags)**
- 3. Childhood tumours**
- 4. Serious illness, Dehydration and Fever**

Neonatology

- 1. Jaundice and Prematurity**
- 2. Newborn history assessment**
- 3. Newborn neurological evaluation**
- 4. Newborn orthopaedic issues**
- 5. Newborn chiropractic technique**

In this module, we cover clinical management of serious illness and provide you with the tools to remain part of the health care team when a child is sick. When to refer? When to watch and wait? With serious illness in children, the clinical presentation changes with the years. We offer a clear strategy for illness recognition in any child, as well as describe the illnesses most commonly seen in chiropractic practice. Neonatology - care of the newborn (<4weeks) – deserves special mention. There are unique questions, observations, and physical examinations that chiropractors should understand. Tips for optimizing your chiropractic examination are offered, along with a clear scheduling plan for the newborn. This module will increase your understanding of the newborn period, and enhance your confidence in building healthy bodies from day 1.

Module 3

Basic spinal assessment and listing system

- 1. Spinal Biomechanics in Paediatrics**
- 2. The use of listings in Paediatrics**
- 3. Principles of motion palpation**
- 4. Compensation patterns and postural distortions**

Principles of adjusting in Paediatrics

The Logan Basic adjustment

In this module we look at basic biomechanics in the developing paediatric musculoskeletal system, highlighting the unique differences to the adult spine. An overview of spinal and cranial listing systems is presented, with a rationale on their use in paediatrics. The paediatric motion palpation techniques will further your ability to assess the subluxation in this unique population.

Next, you experience an introduction to the principles of paediatric adjusting, including a comprehensive and interactive Logan Basic adjusting demonstration. Providing you with foundation information, this module sets you up to fully grasp the advanced concepts presented in later modules.

Module 4

Lumbo-pelvic Spine syndromes

- 1. Scoliosis**
- 2. Low Back Pain**
- 3. Lumbar spine syndromes: diagnosis and management**

Lumbo-pelvic spinal assessment and adjustment in children - Basic

We now work our way through assessment and treatment of the lumbo-pelvic spine in each of the paediatric age groups. Particular spinal syndromes are integrated looking at the subluxation and chiropractic management for each of the syndromes. Key referral issues relevant to each syndrome are addressed.

Module 5

Cervical Spine syndromes

- 1. Cervical spine syndromes: correction and management issues**
- 2. Headaches**
- 3. Torticollis**
- 4. Dysphagia**

Cervical spine assessment and adjustment in children - Basic

- 1. Chiropractic cervical spine assessment**
- 2. Chiropractic cervical spine adjusting**

We now turn our attention to the cervical spine, a very important aspect of paediatric practice. The assessment, treatment and management of the cervical spine subluxation in children is addressed. Key presentations are covered with the latest journal based literature included. Cervical spine syndromes are explored focusing on diagnosis and management from a chiropractic clinical perspective.

Module 6

Paediatric extremity syndromes

1. Hip disorders
2. Intoeing/ out toeing
3. Limp
4. Shoulder disorders: correction and management issues
5. Brachial plexus injuries
6. Pulled elbow
7. Wrist disorders in children

Paediatric extremity subluxation assessment and adjustment - Basic

This module explores basic non-spinal adjusting – how to accurately diagnose and safely adjust upper and lower limb subluxations. We also explore common extremity presentations in children. Chiropractic management of each is addressed and emphasized. Literature based diagnosis and management of extremity syndromes is presented, giving you skills to address this very common and clinically challenging area.

Module 7

Neurological assessment of the infant

1. Neurological examination of the infant (Infanib)
2. Motor issues: diagnosis and chiropractic management
 - a. Gross motor developmental delay
 - b. Hyper/ hypotonia
 - c. Cerebral palsy

It is only by knowing how to assess the infant's neurological system that you can start to fully appreciate and understand the immense impact of the subluxation. The information covered in this module allows you to demonstrate to your parents the impact the subluxation has on their infant's nervous system. As a result your subluxation diagnosis, treatment and management with infants will be enhanced. We look at muscle function issues which occur in this age group with particular emphasis on gross motor developmental delay and hyper/hypotonia

Module 8

Neurological assessment of the pre-schooler and the school aged child

1. Gross motor function
2. Fine motor function
3. Cerebellar function
4. Assessment of higher cognitive functions
5. Visual processing
6. Auditory processing
7. Language development

Syndrome management

1. Auditory processing syndromes
2. Visual processing syndromes

Chiropractic has a major role to play in treating and managing children with learning difficulties. Crucial to optimal outcomes is an ability to fully assess and determine the particular issues and neurological problems your patient experiences. This module is very practical: you will learn how to accurately test cortical and cerebellar function in preschool and school aged children to a very advanced level. Being able to perform extensive testing of learning ability in children will assist you to accurately find and monitor their learning difficulties. The interplay of higher cortical function, cerebellar function and the subluxation is explored and the impact of your consultation assessment routine on the subluxation is addressed. Management of learning difficulties is emphasised.

Module 9

Irritable Baby Syndrome (Colic)

- 1. Subluxation**
- 2. Cow's milk protein allergy**
- 3. Reflux**
- 4. Lactose intolerance**
- 5. Coeliac disease**
- 6. Pyloric stenosis**
- 7. Intussusception**
- 8. Urinary tract infection**
- 9. Overtired baby**
- 10. Hungry baby**

The most common presentation in the first year of life is Irritable Baby Syndrome. We look in detail at the various conditions associated with this presentation. This Module provides you with the knowledge and skills to diagnose and manage each condition along with the ability to provide the best literature based advice for your patient's parents. We incorporate the acronym STAPH-C for dealing with the irritable infant - Sick, Tired, Allergy, Pain (including subluxation), Hunger, and Cuddle. You will be able to deal confidently with the questions: "What's wrong?", "Is this normal?", "Why is my baby crying?" and "Can you fix it?"

Module 10

The child's immune system

- 1. Development of the fetal, infant and child's immune system**
- 2. Th1, Th2 and Th17 immune responses**
- 3. Bacterial, viral and parasitic infections in children**
- 4. Childhood allergies**
- 5. Skin lesions in children**
- 6. Case management**

The normal development of the immune system in children is explored. Immune system dysfunction is one of the most common clinical issues in paediatric practice; we will look at the issues driving immune system dysfunction in children. This Module will also show you how to identify and manage immune system issues in the paediatric age group. We look at nutritional, dietary, supplements and homoeopathic management of immune system dysfunction in children.

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Year 2

Course Outline

Module 11

The child's ear, nose and throat

- 1. Acute otitis media**
- 2. Chronic otitis media**
- 3. Serous otitis media**
- 4. Nose and throat issues with children**
- 5. Tonsillitis, epiglottitis, coup and neck abscesses**

Chiropractors have a key role to play in the treatment and management of otitis media along with other conditions associated with recurrent viral infection as well as decreased or imbalanced immune system function. We cover the diagnosis of each condition along with chiropractic treatment and management, including the interaction of the subluxation and the immune system. Nutritional management is also covered. Key management issues are explored and literature based knowledge is provided to allow you to educate your patient's parents. This fosters improved compliance with your care and permits you to expand the boundaries of your chiropractic care of children

Module 12

The Child's Respiratory System

- 1. Assessment**
- 2. Bronchitis**
- 3. Bronchiolitis**
- 4. Asthma**
- 5. Reactive Airways Disease**
- 6. Foreign Bodies**
- 7. Cystic fibrosis**
- 8. Pneumonia**

Building on the upper respiratory unit, Module 12 addresses the role of the chiropractor in maintaining optimal respiratory health in their patients. With rates of chest infections on the rise, chiropractors keen to care for children must arm themselves with world's best practice. Based on the latest literature, we look at the role of the subluxation in the respiratory system, and the best home-advice for each child. We will also seek to simplify the diagnosis - in the chiropractic office - of each condition.

Module 13

Autism, ADHD, behavioural and sleep issues in children

- 1. Autism spectrum and Asperger's**
- 2. Hyperactivity and Attention deficit disorders**
- 3. Sleep disorders and bedwetting**
- 4. Subluxation neurology: clinical management of cerebellar function in children**

This Module looks in detail at the causes, clinical presentation and management issues relating to Autism and ADHD in children. We aim to give you the tools to identify, clinically assess and manage these increasingly common disorders. Being able to provide the best advice to parent's is a key component of management. Also sleep disorders including bedwetting are looked at from a chiropractic perspective.

Module 14

Advanced paediatric neurology

- 1. Seizures, epilepsy and syncope**
- 2. Cerebral palsy**
- 3. Neuromuscular disorders in children**
- 4. Autonomic dysfunction; assessment and management**
- 5. Cerebral and cerebellar hemisphericity; assessment and management**
- 6. Vestibular dysfunction; assessment and management**

We build on the paediatric examination skills learnt in Module 7 and 8 by focusing on more common neurological conditions. We look at diagnosis and management issues as they relate to chiropractic clinical practice. The aim of this module is to equip you with the knowledge to be able to help your patients have better outcomes

Module 15

Paediatric Spinal Assessment - Advanced

- 1. Top five common cervical pitfalls**
- 2. Top five lumbo-pelvic pitfalls**
- 3. Thoracic spine assessment and adjustments**
- 4. Contraindications to care**
- 5. Side-effects literature**
- 6. Paediatric case presentation**

This module builds on Modules 3, 4 and 5, and enhances every chiropractor's primary skills. Through many years of development, our team has developed a world-class system of spinal assessment and adjustments. This hand-on module refreshes each chiropractor's understanding of spinal assessment, and looks at ways to more accurately, confidently and reliably adjust subluxations.

Module 16

Paediatric extremity assessment - Advanced

Review of basic subluxation assessment and review of full extremity examination.

Working with podiatrists and orthotists

Case based conditions of the lower extremities

- 1. DDH: advanced**
- 2. Hip infections and inflammations**
- 3. Overview and approach to less common conditions**
- 4. The swollen knee, knee pain, and patella-femoral issues**
- 5. Foot and heel pain**
- 6. Common fractures, tumors and infections of the lower limb.**

Case based conditions of the upper extremities

- 1. Brachial plexus injuries: advanced.**
- 2. Overview and approach to less common conditions**
- 3. Common fractures, tumors and infections of the upper limb.**

Building on the basic extremity module, we now look at advanced concepts in extremity issues. We begin with a thorough review of the basic extremity examination, with hands on demonstration and feedback. Using case based examples we challenge your understanding of Paediatric extremity examination, diagnosis, and management. Leave this module with an advanced ability to manage paediatric extremity issues.

Module 17

Genitourinary Systems

- 1. Urinary tract infections**
- 2. Nephritis/nephrosis**

Adolescent Health

- 1. Back pain**
- 2. Adolescent idiopathic Scoliosis**
- 3. Adolescent Kyphosis**
- 4. Psychological disorders (depression, anxiety, eating disorders)**
- 5. Obesity and overweight**
- 6. Dysmenorrhoea**
- 7. Injuries of adolescence**
- 8. Behavioural disorders**
- 9. Chronic Fatigue Syndrome**

Module 17 has dual foci. First, we explore the critical role that chiropractors play in the diagnosis, holistic co-management, and referral criteria in paediatric urinary tract infections and other kidney disorders. (Note: Bedwetting is covered in Module 13)

Second, we look at the health issues facing adolescents. This cohort of chiropractic patients are understudied in the literature, taking a back seat to babies, adults, and the elderly. As chiropractors, it is crucial we recognize the health characteristics of this age-group. Through a greater understanding of adolescent-specific conditions, we can care for them most effectively.

Module 18

Paediatric radiology and traumatology

- 1. Normal development of the paediatric spine**
- 2. Trauma management in paediatrics**
- 3. Child abuse; recognition and management**

In this module we focus on the normal radiological development of the infant, child and adolescent spine. Spinal curvature assessment as well as normal radiological spinal anatomy will be stressed which will allow more confident recognition of abnormal. What to look for when there is a history of trauma as well as the issues relating to recognition and management of child abuse are covered.

Module 19

Paediatric nutrition and Gastro-intestinal issues

- 1. Breastfeeding epidemiology and physiology**
- 2. Breastfeeding difficulties**
- 3. Maternal diet when breastfeeding**
- 4. Introducing solids**
- 5. The “neurodevelopment diet” in the early years**
- 6. Additives, food chemicals.....**
- 7. Constipation, diarrhea, abdominal pain, Hirschsprung’s disease**

After subluxation correction, the developing nervous system requires optimum nutrition. Breastfeeding provides the best start to life, and this module will provide you with all the tools to manage the breastfeeding infant. Be able to reliably identify and correct subluxation patterns related to breastfeeding difficulties.

Introducing solids becomes the next challenge – timing and types of foods. As the child grows, which foods/diets will provide the child with optimum nervous system development? Finally, we cover gastrointestinal dysfunction and disease states.

Module 20

Paediatric case presentation

Paediatric Endocrinology and auto-immune disorders

Module 21

Examinations

There will be two 120 minute written examinations and a 90 minute practical examination. The written examinations will be short answer questions covering both Year 1 and Year 2 course material.

Presented by:

Dr Braden Keil

BAppSc(Chiropractic) MSc(Paediatrics) FICC FACCP

Dr Braden Keil graduated as a chiropractor in 1987 and has since then completed a Master degree in chiropractic paediatrics. Currently Dr Keil is one of only ten chiropractors in Australia to have gained this qualification. Dr Keil is a past President of the British College of Chiropractic Paediatrics. Dr Keil practised for many years in Scotland and returned to Australia during 2000 to open **Chiropractic Children's Healthcare**, Australia's first (and probably only) paediatric only chiropractic practice: there are currently 6 paediatric only chiropractors at the centre. Dr Keil was awarded a Fellowship by the International College of Chiropractors (FICC) during 2001.

Dr Keil is the author of the world's first full time Fellowship program in Chiropractic Paediatrics: a three year full time chiropractic paediatric program. From 2004 to 2009 Dr Keil lectured paediatrics to 4th and 5th year students in the RMIT Chiropractic undergraduate program. Dr Keil currently presents a 20 Module, two year Diplome program in chiropractic paediatrics around Australia; permitting chiropractors to improve their ability to provide better care for their infant and children patients.

Dr Braden Keil is the current President of the Australian College of Chiropractic Paediatrics and was awarded a Fellowship by the ACCP in 2017 (FACCP).

With four children ranging from 23 to 31 years of age, Dr Keil has had a lot of practical experience with childhood issues!