

DIGITAL
75
HOURS OF CPD
ORTHODONTIC TREATMENT PRACTICE COURSE

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DIGITAL ORTHODONTIC TREATMENT PRACTICE COURSE

FOR DENTAL HYGIENISTS
AND THERAPISTS



DR. VANDANA KATYAL

SPECIALIST ORTHODONTIST

BDS (Syd), MScMed (Syd), DClinDent Ortho (Adel), MBA, MRACDS, MOrth RCSEd
Certificate IV in Training & Assessment - Mar 2021

Dr Katyal earned her Bachelor of Dental Surgery in 2001 and her Master of Science in Medicine (Clinical Epidemiology) at The University of Sydney in 2010.

In 2013 she completed her Doctor of Clinical Dentistry in Orthodontics from The University of Adelaide and Membership in Orthodontics, from the Royal Australasian College of Dental Surgeons and Royal College of Surgeons Edinburgh.

In 2019 she completed a Master of Business Administration and the world's most innovative Design Thinking bootcamp at Stanford University.

Dr Katyal is an avid lecturer at national and international orthodontic conferences. With a special interest in paediatric sleep-disordered breathing, snoring and oral appliances, her research has been published in orthodontic journals worldwide, and featured in mainstream media including Channel 9 news, ABC radio, 4BC radio, The Daily Telegraph, The Sun Herald and Bite dental magazine. In 2019 her research on virtual appointments and Invisalign was accepted as a poster at the American Association of Orthodontists Conference.

The recipient of prestigious orthodontics fellowships, she has also been awarded travelling fellowships by the Australian Society of Orthodontics Foundation for Research and Education, an honour shared with only the most distinguished Australian leaders in orthodontics.

Read the behind the scenes Digital Orthodontic College story at digitalorthodonticcollege.com/boss-is/the-boss-story



HONOURS & AWARDS

Australian Orthodontic Board Certified Australian Orthodontic Board

January 2014 – December 2016

Australian Orthodontic Board Clinical Case First Prize Australian Orthodontics Board

March 2014

ASO (SA) Raj Prasad Clinical Case Award Australian Society of Orthodontists South Australia

November 2013

Sam Bulkley AB Orthodontics Travelling Fellowship ASO and AB Orthodontics

2013 & 2014 (twice awarded)

Best Postgraduate Presentation ABOS/NZAO

September 2013

Australian Postgraduate Award/Scholarship

University of Adelaide



PUBLICATIONS

Artificial Intelligence Driven Remote Monitoring of orthodontic patients: Clinical applicability and rationale

Sem Orthod, Volume 27, Issue 2, June 2021, Pages 138-156

Clinical Handbook of Digital Orthodontics by Dr Vandana Katyal.

E-book ed. 1, 2021. Online copy provided complimentary with every graduate diploma enrolment.

Outcomes of clear aligner treatment with and without Dental Monitoring: A retrospective cohort study

Am J Orthod Dentofacial Orthop 2021 Apr;159(4):453-459

The Efficacy of Hybrid Hyrax-Mentoplate combination in Early Class III treatment: A novel approach and pilot study

Aust Orthod J – accepted for publication in 2016

Mini-implant-anchored Mesialslider for simultaneous mesialisation and intrusion of upper molars in an anterior open bite case: a three-year follow-up

Aust Orthod J 2015; 31:87-97, April 2015

For more go to digitalorthodonticcollege.com/boss-is/dr-katyal



WHY SHOULD YOU ENROL TO THIS COURSE?

TOP REASONS ARE BELOW!

- ✔ **Learn how to support the dental practitioner for clear aligner treatments**, at your pace with flexible 24/7 online learning
- ✔ **No travel required**, save on cost and time
- ✔ **An Orthodontist-led program** delivering a high standard of knowledge and skills
- ✔ **Upskill and enhance your scope**, to work in a digital orthodontic practice with latest 3D and virtual technologies
- ✔ **Access to a secure online chat forum** with BOSS participating dentists and auxiliaries to ask clinical questions, network or get opinions
- ✔ **Access to an online dentistry library** via ScienceDirect
- ✔ **Access to a free secure alumni chat forum** to continue learning after the course



Click here to watch the video to better understand our online portal



WE BELIEVE IN
EDUCATION AND BEYOND

As part of its partnership with the charity Smile Train, a portion of every Digital Orthodontic College course enrolment fee is donated to help deliver free corrective surgery for a child born with cleft lip and palate in a developing country. Since 2018 Digital Orthodontic College has already donated over AU\$50,000, which will transform the lives of children around the world by funding their cleft repair surgeries.



DIGITAL ORTHODONTIC TREATMENT PRACTICE COURSE

✔ Study Mode:

100% Online 24/7 availability, to be completed within 6 months. **START at any time** as it is self-paced. No travel required. All clinical demonstrations are provided via recorded high-definition videos supplemented with written notes, templates and handouts.

✔ Time required:

3 hrs per week for 6 months

✔ Who is this course for ?

Dental Team members who are interested in developing effective and efficient supporting role for dental practitioners practicing clear aligners orthodontic treatments and emerging orthodontic techniques.

✔ It is best suited for:

Dental Hygienists and Therapists anywhere in the world

****It can also be suited for: Treatment Coordinators and Orthodontic Assistants who would like to progress in their careers to Dental Hygiene, Therapy or Dentistry**



DIGITAL ORTHODONTIC TREATMENT PRACTICE COURSE

MODULES

MODULE 1 Take and Present Orthodontic Records

MODULE 2 Upload digital records to online orthodontic portals for clear aligner therapy

MODULE 3 Identify and assess orthodontic problems

MODULE 4 Deliver and assist in clear aligner therapy as planned by dental practitioner

MODULE 5 Perform interproximal reduction as planned by dental practitioner

MODULE 6 Perform and utilise virtual technologies in digital orthodontics



COURSE CONTENTS
100% ONLINE
24/7 AVAILABILITY



SELF-PACED
LEARNING, START
ANYTIME



GAIN
75 HOURS OF
CPD POINTS



TOPICS COVERED

Module 1 – Take and Present Orthodontic Records

- Preparing for and performing orthodontic photography and radiography
- Editing orthodontic photographs
- Preparing for and taking digital impressions (scans)
- Creating STL files for export to various online portals

Module 2 – Upload digital records to online orthodontic portals for clear aligner therapy

- Preparing orthodontic records for digital upload as guided by dental practitioner
- Uploading orthodontic records
- Modification of STL file for 3D printing of orthodontic study models
- Using and managing technologies like 3D printers such as SprintRay
- Fabricating vacuum formed orthodontic retainers on 3D printed models

Module 3 – Identify and assess orthodontic problems

- Identification of early treatment needs such as crossbites, abnormal soft tissue habits, overjet and various eruption anomalies.
- Creation of an orthodontic problem list
- Assessment of airway abnormalities in children
- Assessment of oral hygiene and dental health in a potential orthodontic patient
- Identifying referral need and creating referral letters

Module 4 - Deliver and assist in clear aligner therapy as planned by dental practitioner

- Preparing for and bonding attachments as directed by dental practitioner
- Removing attachments as directed by dental practitioner
- Placing and removing buttons as directed by dental practitioner
- Determining next appointment in consultation with dental practitioner
- Managing emergencies and broken appliances
- Bonding a direct fixed lingual retainer
- Bonding an indirect fixed lingual retainer
- Issuing passive removable retainers
- Providing patients instructions for clear aligner therapy, retainers, whitening, separators, elastics, revisions, interproximal reduction and remote monitoring
- Assist in providing informed consent to patient prior to treatment starting

POSTGRADUATE DIPLOMA IN
75
HOURS OF CPD
ORTHODONTICS • DIGITAL





Module 5 – Perform interproximal reduction as planned by dental practitioner

- Preparing patient for interproximal reduction
- Performing interproximal reduction – manually and with mechanical drivers
- Verifying that IPR was performed appropriately
- Understanding evidence for interproximal reduction procedures

Module 6 – Perform and utilise virtual technologies in digital orthodontics

- Using virtual consultation apps and tools online such as SmileMate
- Reviewing SmileMate virtual consultation submissions
- Activating various protocols for virtual appointments (remote monitoring) via Dental Monitoring
- Instructing patients on using dental monitoring
- Managing and coordinating Dental Monitoring dashboard and alerts as instructed by the treating dental practitioner

Course participants will also have access to:

- ✔ Online chat and discussions- Our 24/7 discussion forum has a response time of under 12 hours and led by our accredited dentist trainers as well as a specialist orthodontist









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