DCPs must now legally invest in building their skills through CPD. Sounds like the perfect chance to boost your career, but the change is also a little daunting.

Mhari Coxon explains

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n, change is finally here. As of the August 1 2008, every Dental Care Professional (DCP) registered with the GDC must complete 150 hours of Continuing Professional Development (CPD) over five years. Fifty of these hours must be verifiable, while the other 100 will be made up of unsupervised development, reading Dental Tribune UK, for example.

From talking to colleagues and friends, there are mixed feelings about this enforcement. I personally am looking forward to developing my clinical skills and improving the quality of my care for my patients, as well as keeping up to date with the most recent evidence.

Attending lectures and courses is something I have always enjoyed. It can boost my motivation for my career, and allows me a chance to catch up with colleagues and discuss our profession. I have often been the only hygienist in a practice so haven’t always had a fellow colleague to talk about daily clinic. I feel it helps me to refresh my mind and get a more involved and interactive role in the practice environment.

I think this compulsory lifelong learning can only be a benefit to the profession as a whole. Evidence-based dentistry is seen as best practice. It is important we all update regularly and make sure we are giving the quality of care our clients deserve. All DCPs will have a professional role, which will give some a career-development path that was previously not an option. The dental team will benefit, as they will be able to develop skills to suit the practice environment.

Choosing skills to develop

In may this year, the GDC took consultation regarding Scope for Practice for all dental professionals. The paper was designed to look at what skill groups we would expect each group to have upon qualification, and what other skills could be developed as a postgraduate. A team of professionals, representing all DCP groups, formulated a proposal and the paper was open to all professional and the public for comment.

Planning for the future

What I see emerging is a real opportunity for the team to be utilised and make the day-to-day running of practices more efficient and cost-effective. For example, one rainy lunchtime, we were hypothetically planning the future for our practice. We could see a new client being interviewed by the nurse and a full dental history, lifestyle and diet assessment, and medical history be taken. The client would then move in to the clinical environment and have their consultation with the dentist. The nurse would take impressions if necessary, and chart the patients bleeding and plaque score. They would take a sample of bacteria and document what was seen under the microscope, disclose the patient, take digital photographs and discuss oral hygiene with the patient, giving them a tailored hygiene kit to take home. Diet assessment sheets could be given if deemed necessary, and an appointment organised for first hygiene session. I could introduce myself briefly and give the client some literature to read before their first hygiene visit.

Obviously, if this is to be a reality, detailed training would be required. But we could all see how our clinical day would be improved as well as expanding the quality of care for our new clients.

The client would feel valued as they were asked to be informed, the dentist would have more time to devote to high-skill treatment, the nurse would be asked for information, the team would be able to take impressions and make vacuum trays. The skill list for nurses will be extended more and we await the final guidance which is due out in the autumn.

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Dr Zakri Kanaan argues the case that when it comes to implants, treatment should be kept as simple as possible.

The old adage goes that if 10 dentists were to treatment plan a case you will get as many varying opinions. There is nothing wrong with this for simple general restorative cases, but when planning for implants, it is wise to opt for the simpler option.

The following case highlights the point that proceeding with a more complex treatment plan may have been the cause of a poor final result, as well as an unpredictable long term prognosis and outcome for a young patient.

**History and Presenting Complaint**

This young gentleman presented to the practice for a second opinion, after being recommended by a hygienist. She was concerned about, what she felt was a disparate treatment plan that was recommended to her son by another respected dental centre.

Her son, a student on his gap year, had lost his upper right lateral incisor root. He had gone through a skiing accident. A provisional acrylic crown was bonded to adjacent teeth as an emergency measure and the centrals were splinted at this visit (Fig. 1,2,3,4).

The upper centrals were also traumatised during the accident, with periapical radiographs exhibiting significant root fracture lines at various levels (Fig. 5). The upper right lateral and central had also been root treated shortly after the accident and all teeth have been symptomless since.

**Treatment Plan by Another Dental Centre**

The initial suggested treatment plan included the extraction of the upper right lateral and central incisors and the upper left central incisor, with the provision of an immediate partial acrylic denture. This would have been followed by the placement of an implant supported bridge with implants in the upper right lateral incisor and upper left central incisor positions. Although this was a viable option, it would have lead to the extraction of 3 important teeth in the smile zone of this young gentleman. This treatment plan had been accepted by the young gentleman and his parents but fortunately, due to a waiting list for the implant phase of treatment, this treatment plan had still not been carried out.

**My Proposed Treatment Plan**

To view the fact that the traumatised centrals have been asymptomatic, with no apical changes since the accident, I suggested leaving the centrals alone with no treatment initially. I recommended the extraction of the upper right lateral incisor, with the immediate placement of an implant.

A provisional tooth would have been provided. A final abutment and porcelain crown would then be fitted after the healing phase. It is important to inform the patient that further treatment may well be required on the central incisors. Sizing the abutment in this way will minimise the risk of losing soft tissue architecture. This treatment plan was accepted.

**Surgical Phase**

The patient attended for treatment and was given an Arnica 200c pillule (a small sucrose pill, coated with the remedy) to take preoperatively. Arnica is a homeopathic remedy that I routinely use for all elective surgical procedures. It has been shown to help reduce bruising and swelling associated with surgery and I have noticed a marked difference in both patient reported symptoms, as well as clinical symptoms, including the speed of healing. A 50 second Chlorhexidine pre-surgical rinse was carried out prior to administration of local infiltration anaesthesia. A flapless surgical technique was utilised by using a size 15c micro-blade into the dento-gingival sulcus around the upper right lateral incisor root. The root was then gently andatraumatically elevated using periosteotomes, taking care not to stress or damage the fragile buccal plate. The resulting socket was inspected, especially for the integrity of the buccal plate. A nice instrument to do this with is the AstraTech™ measure- ment gauge. It has a blunt, hemispherical end, which gives tactile feedback and can also be used to measure the length of the socket. It can also be used to give visual feedback on the direction of the imminent osteotomy site preparation. Socket curettage was carried out to ensure it is free from any granulation tissue. The buccal plate, although thin proved to be intact and ended approximately 5mm below the labial gingival level. The initial pilot drill used was positioned with a slight palatal inclination and position to the previous root apex, to avoid perforating the laby. The site was prepared using a standard sequence and saline, with special attention to avoid the thin buccal plate of bone during preparation. A 3.5 x 16mm NobelReplace Tapered Groovy implant was torqued into position with an initial stability of 20Ncm and ensuring that a tri-channelhole is positioned mid buc- cally. The initial stability of 20Ncm is not enough to immediately re- store an implant. If immediate loading has been planned, you should always have a contingency plan of good primary stability of the implant is not achieved. The implant head was placed 5mm apical from the anticipated final labial gingival margin (adjacent den- togingival levels can also be used as a guide if needed). There was a 2.5mm space between the buccal plate and the implant. A narrow healing abutment was placed and the void was filled with a mixture of BioOss™ (Geistlich) and autogenous bone harvested with an Astra™ Bone Trap. It was my usual protocol to fill voids that are approximately 1.5mm or more. No su- tures were needed.

**Restorative Phase**

12 weeks later, open tray impres- sions were taken and custom shade matching was car- ried out. It is important to take a photo of the contralateral tooth for comparison (Fig. 7) and a discussion with the patient about whether to copy this tooth needs to be communicated with the lab, especially if there are any unusual characteristics. In this case the upper left lateral had a mesio-buccal rotation and the patient wanted a slight element of rotation with his new tooth. Due to the depth of the implant head it was decided best to use a goldadapt abutment. This was covered with a layer of opaque porcelain to help mask any possible metal shine through as much as possible. This was torqued down to 20Ncm and the access filled with GP and Sys- temp provisional composite. It was also decided to make a Lava crown with an opaque core (5M ESPE). The Lava crown was tried in and approved by the patient for shade and form before being cemented with temporary cement.

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