



## Higher National Unit specification

### General information

**Unit title:** Intra and Extra Oral Clinical Dental Photography for Dental Care Professionals (SCQF level 8)

**Unit code:** H943 35

**Superclass:** PF

**Publication date:** May 2015

**Source:** Scottish Qualifications Authority

**Version:** 01

### Unit purpose

This Unit is designed to enable the learner to develop the knowledge, skills and practical application required to take intra and extra oral clinical dental photographs, working to the prescription of a Dentist. The Unit is suitable for registered dental care professionals who are supported in a clinical work place setting to take intra and extra oral clinical dental photographs within the Scope of Practice, as defined by the General Dental Council (GDC).

### Outcomes

On successful completion of the Unit the learner will be able to:

- 1 Explain the technical aspects of the equipment required to produce clinical dental photographs for patient assessment and record keeping.
- 2 Explain the legislation and professional guidance that relates to taking and storing clinical dental photographs.
- 3 Produce a range of intra and extra oral clinical dental photographs to the required standard and to the prescription of a dentist.
- 4 Evaluate own skills in producing clinical photographs and identify areas for self-development.

### Credit points and level

1 Higher National Unit credits at SCQF level 8: (8 SCQF credit points at SCQF level 8)

## **Higher National Unit Specification: General information (cont)**

**Unit title:** Intra and Extra Oral Clinical Dental Photography for Dental Care Professionals (SCQF level 8)

### **Recommended entry to the Unit**

Access to this Unit is at the discretion of the centre, however learners must be registered with the GDC as a dental care professional, eg Dental Nurse. The learner must be working in a dental environment and have the opportunity to gain regular experience in clinical dental photography.

Learners must also be disclosed under the PVG scheme (2011) standard or enhanced.

### **Core Skills**

Opportunities to develop aspects of Core Skills are highlighted in the Support Notes for this Unit specification.

There is no automatic certification of Core Skills or Core Skill components in this Unit.

### **Context for delivery**

If this Unit is delivered as part of a Group Award, it is recommended that it should be taught and assessed within the subject area of the Group Award to which it contributes.

This Unit is mandatory within the Professional Development Award (PDA) in Recording Patient Assessment for Dental Care Professionals and also contained within the optional section of the HND in Dental Nursing. This Unit can also be delivered as a stand-alone Unit, perhaps for the purposes of continued professional development.

Guidance on the content for the delivery of the Knowledge and Skills is provided for each of the Unit's Outcome.

### **Equality and inclusion**

This Unit specification has been designed to ensure that there are no unnecessary barriers to learning or assessment. The individual needs of learners should be taken into account when planning learning experiences, selecting assessment methods or considering alternative evidence.

Further advice can be found on our website [www.sqa.org.uk/assessmentarrangements](http://www.sqa.org.uk/assessmentarrangements).

## Higher National Unit specification: Statement of standards

**Unit title:** Intra and Extra Oral Clinical Dental Photography for Dental Care Professionals (SCQF level 8)

Acceptable performance in this Unit will be the satisfactory achievement of the standards set out in this part of the Unit specification. All sections of the statement of standards are mandatory and cannot be altered without reference to SQA.

Where evidence for Outcomes is assessed on a sample basis, the whole of the content listed in the Knowledge and/or Skills section must be taught and available for assessment. Learners should not know in advance the items on which they will be assessed and different items should be sampled on each assessment occasion.

### Outcome 1

Explain the technical aspects of the equipment required to produce clinical dental photographs for patient assessment and record keeping.

#### Knowledge and/or Skills

- ◆ Range of equipment required for clinical digital photography
- ◆ Functions and settings of digital photography equipment required to take high quality clinical dental photographs
- ◆ The function clinical dental photographs fulfil in relation to best practice in record

### Outcome 2

Explain the legislation and professional guidance that relates to taking and storing clinical dental photographs.

#### Knowledge and/or Skills

- ◆ Legal and ethical considerations
- ◆ GDC Guidance: Standards for the Dental Team
- ◆ Patient confidentiality: recording and storing patient information
- ◆ Patient consent
- ◆ GDC Guidance: Continued Professional Development (CPD) for Dental Care Professionals
- ◆ Role and responsibilities of the dental care professional as set out in the Scope of Practice in relation to the taking and storing of dental photographs
- ◆ Infection Control and Decontamination regulations
- ◆ Health and safety requirements

## Higher National Unit specification: Statement of standards (cont)

**Unit title:** Intra and Extra Oral Clinical Dental Photography for Dental Care Professionals (SCQF level 8)

### Outcome 3

Produce a range of intra and extra oral clinical dental photographs to the required standard and to the prescription of a dentist.

#### Knowledge and/or Skills

- ◆ Role of the dental care professional in the interpretation of a dental prescription
- ◆ Range of extra and intra oral clinical photography views
- ◆ Appropriate techniques for taking intra and extra oral clinical dental photographs
- ◆ Anatomical landmarks in relation to the production of quality intra and extra oral clinical dental photographs
- ◆ Infection Control and decontamination processes required before, during and after the procedure
- ◆ Appropriate communication skills for dealing with a range of patients when taking clinical dental photographs.
- ◆ Methods of secure storage of digital images for record keeping purposes.

### Outcome 4

Evaluate own skills in producing clinical photographs and identify areas for self-development.

#### Knowledge and/or Skills

- ◆ Methods to aid evaluation of own performance in taking intra and extra oral clinical photographs
- ◆ Review of clinical photographs to ensure quality standards are achieved
- ◆ Identification of professional development needs in order to maintain own knowledge, skills and practice in the context of taking intra and extra oral clinical photographs

### Evidence Requirements for this Unit

Learners will need to provide evidence to demonstrate their Knowledge and/or Skills across all Outcomes by showing that they can:

#### Outcome 1

- ◆ outline the purpose of taking intra and extra oral clinical photographs.
- ◆ identify the types of digital cameras suitable for taking intra and extra oral clinical photographs.
- ◆ describe the basic components of a camera system and additional equipment required to produce good quality intra and extra oral clinical photographs.
- ◆ describe the functions of different settings of suitable digital cameras for the purpose of taking intra and extra oral clinical photographs.
- ◆ explain why clinical photographs are important to good record keeping in the context of oral health assessment, patient education, diagnosis, treatment planning and management, communication with other DCPs, medico-legal disputes.

## Higher National Unit specification: Statement of standards (cont)

**Unit title:** Intra and Extra Oral Clinical Dental Photography for Dental Care Professionals (SCQF level 8)

### Outcome 2

- ◆ identify the factors required for obtaining and recording consent in relation to taking and storing clinical dental photographs.
- ◆ describe the legislation and guidance governing the recording, storing, processing and accessing of patient information.
- ◆ explain the relevant legislation relating to health and safety and infection control in the context of taking intra and extra oral clinical dental photographs.
- ◆ define the role and responsibilities of the dental care professional within the GDC scope of practice relative to taking and storing clinical dental photographs.

### Outcome 3

- ◆ accurately interpret the content of a prescription from a dentist requesting clinical photographs.
- ◆ communicate effectively, using appropriate methods, with a range of different people (patients, colleagues or other health professionals, groups or individuals).
- ◆ select and use the appropriate instruments, equipment and materials required for taking the clinical photograph correctly and in a safe manner.
- ◆ position the patient correctly and comfortably for the clinical photograph to be taken.
- ◆ implement safe working practices throughout the procedure to ensure patient safety and limit any risk of cross contamination.
- ◆ safely save and store the image to the correct patient record and update the patient's notes accordingly.

### Outcome 4

- ◆ reflect on and evaluate own performance in producing clinical photographs, this will include interaction with patients and other DCPs and adherence to relevant legislation and professional guidance.
- ◆ review the quality of a range of clinical photographs, identifying any common faults and alternative techniques to improve these.
- ◆ use feedback and peer review to improve own performance and the quality of the clinical photographs produced.



## Higher National Unit Support Notes

**Unit title:** Intra and Extra Oral Clinical Dental Photography for Dental Care Professionals (SCQF level 8)

Unit Support Notes are offered as guidance and are not mandatory.

While the exact time allocated to this Unit is at the discretion of the centre, the notional design length is 40 hours.

### Guidance on the content and context for this Unit

Clinical dental photography is a vital component of the recorded information necessary to assist clinicians in diagnosis, treatment planning, patient education and communication. This Unit is designed to enable registered dental care professionals to become effective in taking a range of intra and extra oral clinical dental photographs, to the prescription of a dentist.

Upon completion, learners should be able to effectively manage the patient and correctly select the appropriate instruments and equipment required to take intra and extra oral clinical dental photographs, to the prescription of a dentist.

Self-reflection and peer review will assist the learner to evaluate their own practice and the produced images, recognise faults and implement improvements or different techniques to ensure the production of high quality clinical photographs.

Successful completion of this Unit may give the learner the opportunity to extend their clinical duties within their professional scope of practice, as defined by the General Dental Council (GDC) and contribute to their continued professional development.

### Guidance on approaches to delivery of this Unit

Delivery should be learner-centred and where possible take account of actual workplace practice to allow learners to demonstrate the required skills and knowledge for this Unit.

As it involves a significant amount of experiential learning, learners should be allowed sufficient time and opportunity to meet the requirements of the Unit. Learners will also be required to reflect on their performance and experiences in order to improve their professional knowledge and practice in taking high quality intra and extra oral clinical dental photographs.

## Higher National Unit Support Notes (cont)

**Unit title:** Intra and Extra Oral Clinical Dental Photography for Dental Care Professionals (SCQF level 8)

It is envisaged that the delivery and facilitation of this Unit could be through a blended approach using a lecture based and a 'hands on' practical teaching approach that includes observation by an experienced clinician. Supervision, feedback and mentoring in the teaching and workplace environment, personal reflection, self-directed learning and reading of recommended texts will support the learner to become proficient in undertaking this additional duty within their professional scope of practice, as defined by the GDC.

The preferred order of teaching is as set out in the Unit.

Outcome 1 and Outcome 2 will allow the learner to develop and consolidate the knowledge and skills required to produce clinical photographs effectively and safely, in line with current legislation.

The focus of **Outcome 1** is to develop relevant technical knowledge of photography and the various functions that clinical dental photographs fulfil.

Teaching should include:

- ◆ Digital camera equipment: camera types (Digital Single Lens Reflex — DSLR), ring flashes, macro lenses
- ◆ Corrects settings: Aperture, Focal Length, Depth of Field
- ◆ Function and use and storage of Intra and Extra Oral Clinical Photography in dentistry: contexts to be covered are oral health assessment, patient education, diagnosis, treatment planning and management, communication with other DCPs, medico-legal disputes

**Outcome 2** focuses on the relevant legislation and professional guidance in relation to patient consent, confidentiality and infection control in relation to taking and storing clinical dental photographs.

Teaching should include:

- ◆ GDC Guidance: Standards for the Dental Team
- ◆ GDC Guidance: Scope of Practice
- ◆ Current Legislation and Guidance in relation to Health and Safety and Infection Control
- ◆ Indemnity cover
- ◆ Legal and ethical requirements in relation to the use of clinical photography in record keeping

Outcomes 3 and 4 have a practical focus. The learner will be able to apply the knowledge and skills gained from Outcome 1 and Outcome 2 to effectively take intra and extra oral clinical dental photographs, evaluate their practice and review the quality of their work.

## Higher National Unit Support Notes (cont)

**Unit title:** Intra and Extra Oral Clinical Dental Photography for Dental Care Professionals (SCQF level 8)

**Outcome 3** will provide learners with the opportunity to demonstrate proficiency in the procedures involved in taking a standard range of intra and extra oral clinical dental photographs to the prescription of a dentist.

Teaching should include:

- ◆ Interpretation of prescription from the dentist
- ◆ Organisation required for the procedure
- ◆ Medical history — importance of; and updating
- ◆ Clinical judgement: Anxiety, age, size and intra oral condition
- ◆ Patient positioning and Photographer positioning
- ◆ Communication with patient throughout procedure: Methods of communication: written, verbal, paralinguistic, non-verbal, listening skills, body language
- ◆ Correct use and positioning of appropriate retractors and mirrors for the view required
- ◆ Correct settings on camera and flash for images required
- ◆ Intra Oral Clinical Photography views: Right and left — front retracted, right lateral retracted, left lateral retracted, sextants, one–two teeth, upper occlusal, lower occlusal
- ◆ Extra Oral Clinical Photography views: Full face front view, profile view, smiling view, smiling oblique view
- ◆ Record keeping: Saving and storing the images in the patient's records, update notes

**Outcome 4** will enable the learner to develop evaluation skills. Learners should be encouraged to reflect on their own practice and review the quality of the clinical photographs they have produced.

The combination of self-reflection and feedback from other members of the dental team will allow the learner to identify areas for improvement in their practice and contribute to their continued professional development (CPD).

Teaching should include:

- ◆ The purpose and importance of reflective practice and obtaining peer feedback to inform own knowledge, skills and CPD
- ◆ Identification of common faults in clinical photographs and alternative techniques to overcome these



## Higher National Unit Support Notes (cont)

**Unit title:** Intra and Extra Oral Clinical Dental Photography for Dental Care Professionals (SCQF level 8)

### Guidance on approaches to assessment of this Unit

Evidence can be generated using different types of assessment. The following are suggestions only. There may be other methods that would be more suitable to learners.

Centres are reminded that prior verification of centre-devised assessments would help to ensure that the national standard is being met. Where learners experience a range of assessment methods, this helps them to develop different skills that should be transferable to work or further and higher education.

Outcomes 1 and 2 could be assessed together by a closed-book assessment for example a range of short answer or extended response questions.

Outcomes 3 and 4 could be assessed through the production and completion of a workplace log book of 10 patient cases, witnessed by a GDC registrant experienced in clinical dental photography. Copies of the photographs produced for each patient should be included in the log-book.

On completion of the log-book, learners should complete a reflective account which includes their own assessment of their practice, details of feedback gathered from other members of the dental team and the subsequent identification of areas of strength and areas that require further development.

The following table outlines a recommended standardised range of intra and extra oral clinical photographs to be evidenced.

	<b>Range</b>	<b>Number of patient cases</b>
Extra Oral Images	Full facial front view Profile view Smiling oblique view	Adult — eight Children — two
Intra Oral Images	Front retracted Right lateral retracted Left lateral retracted Upper occlusal Lower occlusal	Adult — eight Children — two

## Higher National Unit Support Notes (cont)

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### Opportunities for e-assessment

E-assessment may be appropriate for some assessments in this Unit. By e-assessment we mean assessment which is supported by Information and Communication Technology (ICT), such as e-testing or the use of e-portfolios or social software. Centres which wish to use e-assessment must ensure that the national standard is applied to all learner evidence and that conditions of assessment as specified in the Evidence Requirements are met, regardless of the mode of gathering evidence. The most up-to-date guidance on the use of e-assessment to support SQA's qualifications is available at [www.sqa.org.uk/e-assessment](http://www.sqa.org.uk/e-assessment).

### Opportunities for developing Core and other essential skills

There may be opportunities to develop the Core Skills of *Communication* (Oral and Written), *Information and Communication Technology (ICT)*, *Working with Others*, *Numeracy* and *Problem Solving* in this Unit, although there is no automatic certification of Core Skills or Core Skill components.

## History of changes to Unit

Version	Description of change	Date

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## General information for learners

**Unit title:** Intra and Extra Oral Clinical Dental Photography for Dental Care Professionals (SCQF level 8)

This section will help you decide whether this is the Unit for you by explaining what the Unit is about, what you should know or be able to do before you start, what you will need to do during the Unit and opportunities for further learning and employment.

This Unit is designed to enable you to become effective in producing and storing a range of intra and extra oral clinical dental photographs, to the prescription of a Dentist. The Unit forms part of the Professional Development Award in Recording Patient Assessment for Dental Care Professionals at SCQF level 8 and is an optional Unit in the Dental Nursing HND. It can also be taken as a standalone Unit, perhaps for the purpose of continued professional development (CPD).

If you are a registered dental care professional, eg dental nurse, and wish to undertake continued professional development or seek the opportunity to extend your role within the GDC Scope of Practice, this Unit is suitable for you.

Upon completion you will be able to effectively manage your patients and correctly select and use the appropriate instruments and equipment required to take intra and extra oral clinical dental photographs. You will also learn the importance of reflection and evaluation to your continuing good practice.

On successful completion of the Unit you will be able to:

- 1 Explain the technical aspects of the equipment required to produce clinical dental photographs for patient assessment and record keeping.
- 2 Explain the legislation and professional guidance that relates to taking and storing clinical dental photographs.
- 3 Produce a range of intra and extra oral clinical dental photographs to the required standard and to the prescription of a dentist.
- 4 Evaluate own skills in producing clinical photographs and identify areas for self-development.

For Outcomes 1 and 2, you may be asked to complete a range of short answer or extended response questions under closed-book conditions.

For Outcomes 3 and 4, over an agreed period of time, you will complete a log-book of 10 patient cases (which should be witnessed by another member of the dental team who is experienced in clinical photography). You will also reflect upon your own practice, gather feedback from other members of your dental team and evaluate the quality of the photographs you produce, resulting in identification of your areas of strength and areas requiring further attention for your continued professional development.

There may be opportunities to develop your Core Skills in *Communication, Working with Others, Problem Solving, Numeracy and Information and Communication Technology (ICT)*.