Training in Dental Radiography Nursing: Intended Learning Outcomes

National Examining Board for Dental Nurses

The following syllabus is designed to provide Dental Nurses with the educational experience, including the knowledge, critical understanding, intellectual skills, practical skills and personal attitude to enable them to provide effective and safe radiography for dental patients.

	On successful completion of the programme, dental nurses should be able to:	**Teaching and Learning method(s)**	**Assessment method(s)**
Knowledge and critical understanding	Demonstrate an understanding of the role of radiography in dental practice Understand the scope of radiographic techniques and best practice in their use Demonstrate the knowledge to practice effective dental radiography Understand the importance of complying with contemporary guidance relating to the environment, facilities and equipment required for dental radiography Demonstrate a critical understanding of the issues involved in the scientific basis of dental radiography	CBL SDL ST	FA ROC
Intellectual skills	Understand the limitations, benefits and risks of dental radiography Recognise own limitations, reflect on experiences and appreciate the need for continuing professional development	CBL SDL ST	FA ROC
Practical skills	Practice effective and risk managed dental radiography Remain calm, decisive and purposeful whilst managing and handling difficulties or complications	ACI CA CBL SDL ST	FA ROC
Personal attitude	Empathise with patients and demonstrate the ability to communicate effectively with patients, parents, carers and colleagues	CA CBL SDL ST	FA ROC

Key: **Teaching and Learning methods**
ACI= Audit/Critical Incident Analysis, CA = Clinical Attachment, CBL= Case-Based Learning, SDL=Self-Directed Learning, ST=Structured Teaching
Assessment methods
FA= Formal Assessment, ROC= Record of Competence Incorporating: MSF = Multi-Source Feedback, PDP = Personal Development Portfolio, WBA = Workplace-Based Assessment

Reviewed May 2019

Dental Nurses: Certificate in Dental Radiography

1. GENERAL PROFESSIONAL CONTENT

1.1 MAINTAINING GOOD CLINICAL PRACTICE

Each learning outcome should be prefaced by: 'On completion of training, the radiography dental nurse……''

Subject	Knowledge *…..should be able to describe:*	Skills *…..should be able to:*	Attitudes and Behaviours *…..should:*	Teaching and Learning method(s)	Assessment method(s)
1.1.1 Professional approach	the role of an effective dental nurse who holds the certificate in dental radiography	take diagnostic intra-oral and extra-oral radiographs, ideally grade 1	behave in a professional manner	CBL	FA ROC
1.1.2 Life-long learning	the requirements for continuing professional development	recognise and take advantage of learning opportunities and reflect on them maintain a personal development portfolio monitor own performance through audit and feedback	comply with General Dental Council requirements for revalidation	CBL SDL ST	FA ROC
1.1.3 Evidence	the principles of evidence-based practice	practically apply evidence-based best practice	use evidence in support of patient care and to defend decisions taken	ST	ROC
1.1.4 Written records	the principles and guidelines for good clinical note keeping the reasons for confidentiality	communicate effectively through accurate written records apply the principles of confidentiality in the context of written records	take account of confidentiality requirements and legal requirements relating to written, electronic and digital records and their transport and storage	CBL ST	ROC

Subject	Knowledge *…..should be able to describe:*	Skills *…..should be able to:*	Attitudes and Behaviours *…..should:*	Teaching and Learning method(s)	Assessment method(s)
1.1.5 **Use of information technology**	the principles of retrieval and utilisation of data stored in clinical systems	apply the principles of confidentiality in the context of information technology save, store and archive computer data securely retrieve and transfer patient data	take account of the legal aspects relating to holding electronic and digital records demonstrate a positive and proactive attitude to new technology	ACI ST	ROC
1.1.6 **Organisational framework for clinical governance and its application in practice**	the elements of clinical governance and the need for valid consent the principles of clinical governance, in particular related to infection control	actively participate in clinical governance participate in audit report serious untoward incidents	recognise the importance of teamwork in implementing a clinical governance framework recognise and take account of the learning from serious untoward incidents	ACI SDL ST	ROC
1.1.7 **Risk assessment and risk management**	the principles of risk assessment	carry out risk assessments apply relevant procedures monitor action plans to obviate further risk	recognise the value of risk assessments	ACI CBL	ROC
1.1.8 **Audit (general)**	the principles of internal and external quality assurance the audit process	have involvement in the completion of audit projects demonstrate improvement as the result of audit	recognise the benefit of audit to patient care and individual performance	ACI ST	ROC
1.1.9 **Guidelines**	the content of guidelines applicable to dental radiography	apply guidelines applicable to dental radiography	show regard for individual patient needs when utilising guidelines	ACI CBL ST	ROC
1.1.10 **Patient Safety**	the role of organisations charged with ensuring patient safety	communicate the concept of “risk” with respect to ionising radiation to the patient	show regard for patient safety	CBL ST	ROC

Subject	Knowledge *…..should be able to describe:*	Skills *…..should be able to:*	Attitudes and Behaviours *…..should:*	Teaching and Learning method(s)	Assessment method(s)
1.1.11 Relevance of outside bodies	the role of: - General Dental Council - UK legislation - Department of Health - National Examining Board for Dental Nurses - Royal Colleges - specialist societies - defence societies - patient advisory groups	communicate with and involve these bodies where or when appropriate	demonstrate acceptance of professional regulation share best practice participate in peer review	SDL ST	ROC

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2. GENERAL RADIOGRAPHY

2. 1 RADIATION PHYSICS

Each learning outcome should be prefaced by: 'On completion of training, the radiography dental nurse……'

Subject	Knowledge *…..should be able to describe:*	Intellectual (I) and Practical (P)Skills *…..should be able to:*	Attitudes and Behaviours *…..should:*	Teaching and Learning method(s)	Assessment method(s)
2.1 Radiation (X-ray) physics	2.1.1. Electromagnetic spectrum	Understand the electromagnetic spectrum (I) Discuss the structure of atoms (I)	Maintain professional knowledge (See 1.1.2)	SDL, ST SDL, ST	FA FA
	2.1.2. Background radiation – natural and man-made	Understand sources of natural and artificial radiation (I)	Continuously review personal knowledge (See 1.1.2)	DL, ST	FA
	2.1.3. Production of X-rays. Relationship of energy, frequency and wavelength	Discuss the production of x-rays (I) Discuss the structure of atoms (I) Differentiate between characteristic and continuous spectrum(I)	Reflect on personal knowledge and identify and understand any limits as well as strengths (See 1.1.2)	SDL, ST SDL, ST SDL, ST	FA FA FA
	2.1.4. Properties of radiation	Discuss the properties of x-rays (I)	Continuously review personal knowledge (See 1.1.2)	SDL, ST	FA
	2.1.5. Attenuation of ionising radiation	Understand different interactions that x-rays have with matter (I)	Continuously review personal knowledge (See 1.1.2)	SDL, ST	FA
	2.1.6. Factors affecting attenuation	Be aware of Compton and Photoelectric effect and be able to differentiate between the two (I)	Continuously review personal knowledge (See 1.1.2)	SDL, ST	FA

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2. 1 Radiation (X-ray) physics (Contd)	2.1.7. Scattering and absorption	Understand different interactions that x-rays have with matter (I)	Continuously review personal knowledge (See 1.1.2)	SDL, ST	FA
	2.1.8. Biological effects of radiation	Discuss in depth, indirect and direct damage (I)	Continuously review personal knowledge (See 1.1.2)	SDL, ST	FA
	2.1.9. Risks/benefits of radiation	Discuss in depth, indirect and direct damage (I)	Explain options including risks and benefits of X-rays to patient	SDL, ST	FA
	2.1.10. Dose optimisation	Understand the importance of stochastic effects in dental radiography (I)	Put patients' interests first (See 1.1.10)	SDL, ST	FA
	2.1.11. Dosimetry – absorbed dose, dose equivalent, effective dose and their units	Be aware of other effects of radiation (I) Identify radiosensitive tissues and understand potential radiation effects on the younger patient (I) Be aware of the risk of fatal malignancy from varying dental radiographs and be able to equate these risks to the lay person (I) Understand and implement the ALARP principle (I) (P)	Recognise and promote patients' responsibility for making decisions about their bodies, their priorities and their care Communicate effectively with patients regarding the risks of exposure to X-rays Treat patients fairly and in line with the law (See 1.1.11)	SDL, ST SDL, ST SDL, ST	FA FA FA

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2.1 Radiation (X-ray) physics (Contd)	2.1.12. Factors affecting radiation dose	Have a basic understanding of radiation dose, radiation absorbed dose, equivalent absorbed dose, effective absorbed dose and collective absorbed dose (I)	Reflect on personal knowledge and identify and understand any limits as well as strengths (See 1.1.2)	SDL, ST	FA
	21.13. Image quality versus radiation dose	Discuss in detail, ways in which equipment, film choice, variable factors and training have an influence of reducing patient and staff dose (I)	Find out about current best practice in the field in which you work (See 1.1.9)	SDL, ST	FA
		Consider variations in kV, mA and exposure time in respect to image quality and patient and staff dose (I) (P)	Continuously review personal knowledge (See 1.1.2)	SDL, ST	FA

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2.2 RADIATION PROTECTION

Each learning outcome should be prefaced by: 'On completion of training, the radiography dental nurse ……'

Subject	Knowledge *…..should be able to describe:*	Intellectual (I) and Practical (P)Skills *…..should be able to:*	Attitudes and Behaviours *…..should:*	Teaching and Learning method(s)	Assessment method(s)
2.2 Radiation protection	2.2.1. General radiation protection including the IRCP principles of radiation protection	Summarise the legislation and extracts from the 2001 guidance notes for dental practitioners on the safety of x-ray equipment – IRR 1999 (I) (P)	Apply evidence-based and reliable guidance in published literature and current UK legislation (See 1.1.3 & 1.1.11)	SDL, ST	FA, ROC
	2.2.2. Use of radiation protection devices - patient and personal	Understand when radiation monitoring devices are to be worn (I) (P)	Work within recommended working directives (See 1.1.9)	SDL, ST	FA, ROC
	2.2.3. Procedures for incidents involving over exposure to ionising radiation	Know the correct pathway for reporting any adverse incidents (I) (P)	Get advice from appropriate colleagues as required	SDL, ST, CA	FA, ROC
	2.2.4. Pregnancy and potential pregnancy. Infants and children	Understand dose constraints and apply them appropriately (I) (P)	Follow protocols applicable to pregnant women and children	SDL, ST	FA, ROC
	2.2.5. Justification of the individual exposure including selection criteria	Understand the principle of justification Understand selection criteria and the clinical/practical application in radiography (I) (P)	Apply evidence-based and reliable guidance in the FGDP(UK) Selection Criteria publication (See 1.1.3)	SDL, ST, CBL SDL, ST, CBL	FA, ROC FA, ROC
	2.2.6. Patient identification and consent - identification and consent	Realise the importance of correct patient identification and obtain informed and valid consent (I) (P)	Give the correct patient clear information to help them to make a decision about their care (See 1.1.6)	SDL, ST, CBL	FA, ROC

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2.2 Radiation Protection (Contd)	2.2.7. Use of existing appropriate radiological information	Understand the dose reduction achieved by sourcing previous radiographs and obtain where practicable (I) (P)	Give patients any information in a way they can understand, so that they make informed decisions about their care make sure that patients have easy access to their records	SDL, ST, CBL	FA, ROC
	2.2.8. Alternative techniques	Recognise the need for and use of alternatives techniques (I) (P) Recognise their own limitations and ask for help as required (I) (P)	Find out about guidance notes and regulations which affect your work and follow them (See 1.1.9)	SDL, ST, CBL	FA, ROC
	2.2.9. Clinical evaluation of outcome	Apply the NRPB 2001 guidance notes for dental practitioners on the safe use of equipment – page 41 (I) (P)	Find out about laws and regulations which affect your work and follow them (See 1.1.11)	SDL, ST, ACI	FA, ROC
	2.2.10. Medico-legal issues	Realise that the legislation in force is legally binding and apply to their radiographic practice (I) (P)	Find out about laws and regulations which affect your work and follow them	SDL, ST, CA	FA, ROC
	2.2.11. Regulations	Discuss and apply the IR(ME)R 2000 and IRR 1999 legislation (I) (P)	Consult with the RPS as required	SDL, ST	FA
	2.2.12. Local rules and procedures	Adhere to local rules, policies and procedures applicable to area of work (I) (P)	Consult with the RPS as required	SDL, ST, CBL	FA, ROC

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2.2 Radiation protection (Contd)	2.2.13. Individual responsibilities relating to medical exposures	Have a working knowledge of justification, optimisation and dose limitation (I) (P)	Treat patients fairly and in line with current legislation	SDL, ST, CBL	FA, ROC
	2.2.14. Responsibility for radiation safety	Apply the ALARP principle and consult with the RPS and RPA as necessary (I) (P)	Consult with the RPS and RPA as required	SDL, ST, CBL	FA, ROC
	2.2.15. Routine inspection and testing of equipment	Be aware of equipment servicing and testing schedules (I) (P)	Consult with the RPS and RPA as required	SDL, ST SDL, ST	FA
	2.2.16. Notification of faults and Health Department hazard warnings	Report equipment faults and procedural error correctly (I) (P)	Consult with the relevant personnel and agencies		FA FA
	2..2.17. Clinical audit	Understand the process of regular clinical audit and the need for quality assurance (I) (P)	Co-operate with other healthcare colleagues in the interests of patients (See 1.1.8)		FA

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2.3 APPARATUS AND EQUIPMENT

Each learning outcome should be prefaced by: 'On completion of training, the radiography dental nurse……'

Subject	Knowledge *…..should be able to describe:*	Intellectual (I) and Practical (P)Skills *…..should be able to:*	Attitudes and Behaviours *…..should:*	Teaching and Learning method(s)	Assessment method(s)
2.3 Apparatus and equipment	2.3.1. X-ray equipment - Intra-oral and extra-oral	Understand a schematic representation of X-ray generating equipment (I)	Find out about current best practice in the fields in which you work (See 1.1.11)	SDL, ST, CBL	FA
	2.3.2. X-ray tube – cathode, anode, focal spot size and vacuum	Know the components and functions of an X-ray tube (I)	Continuously review personal knowledge	SDL, ST	FA, ROC
	2.3.3. Heat production and how it is dispersed	Understand the measures employed to dissipate heat generated during the production of X-rays (I)	Reflect on personal knowledge and identify and understand any limits as well as strengths	SDL, ST	FA
	2.3.4. Basic components of the dental X-ray set	Understand the electrical circuitry used in the generation of X-rays (I)	Continuously review personal knowledge	SDL, ST	FA
	2.3.5. Timers	Identify and use collimation appreciating that rectangular is best practice (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST	FA
	2.3.6. Applied potential (kV), tube current (mA) and exposure setting (mAs) – how change affects X-ray quality and quantity	Understand the effect of time selection on patient dose (I) (P) Understand the effects of changes in kV and current on X-ray generation and hence patient dose (I) (P)	Find out about current best practice in the fields in which you work Find out about current best practice in the fields in which you work	SDL, ST SDL, ST	FA FA, ROC

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2.4 FILMS AND PROCESSING

Each learning outcome should be prefaced by: 'On completion of training, the radiography dental nurse……'

Subject	Knowledge *…..should be able to describe:*	Intellectual (I) and Practical (P)Skills *…..should be able to:*	Attitudes and Behaviours *…..should:*	Teaching and Learning method(s)	Assessment method(s)
2.4 Films and processing	2.4.1. Film types – direct action – and indirect action/screen film	Identify indirect and direct action films, their usage, structure and production of latent image (I) (P)	Develop and update your knowledge and skills throughout your working life	SDL, ST, CBL	FA, ROC
	2.4.2. Intensifying screens	Implement the care and maintenance of intensifying screens and cassettes (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST	FA, ROC
	2.4.3. Black and white final image production – effect of exposure	Understand the physics and chemistry of image production using conventional radiographic film (I) (P)	Continuously review personal knowledge	SDL, ST	FA, ROC
	2.4.4. Emphasis on processing – chemistry, wet and automatic processing, film faults	Understand the chemistry of processing and factors that can influence the final image (I) (P)	Continuously review personal knowledge	SDL, ST	FA
	2.4.5. Darkroom – design and safelights	Recognise the requirements of a safe darkroom and the need for elimination of extraneous light (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST	FA

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2.5 DIGITAL IMAGING

Each learning outcome should be prefaced by: 'On completion of training, the radiography dental nurse……'

Subject	Knowledge *…..should be able to describe:*	Intellectual (I) and Practical (P)Skills *…..should be able to:*	Attitudes and Behaviours *…..should:*	Teaching and Learning method(s)	Assessment method(s)
2.5 Digital imaging	2.5.1. Principles of digital image production	Understand the basic physics involved of digital image production (I)	Continuously review personal knowledge	SDL, ST, CBL	FA, ROC
	2.5.2. Intra oral and extra-oral systems using - Solid state detectors - Photostimulable phosphor plates	Understand the merits and principles of each digital imaging system and apply them appropriately (I) (P)	Develop and update your knowledge and skills throughout your working life	SDL, ST	FA, ROC
	2.5.3. Digital image faults and Quality Assurance	Recognise digital imaging faults and understand why they have occurred and know how to rectify them (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST	FA, ROC
	2.5.4. Data storage and retrieval and data protection	Adhere to the Data Protection Act 1998 and Freedom of Information Act 2000 Recognise the need for adequate storage and retrieval systems (I) (P)	Prevent information from being accidentally revealed and prevent unauthorised access by keeping information secure at all times (See 1.1.5) Make sure that patients have easy access to their records	SDL, ST	FA

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2.6 PRINCIPLES OF IMAGING

Each learning outcome should be prefaced by: 'On completion of training, the radiography dental nurse……'

Subject	Knowledge *…..should be able to describe:*	Intellectual (I) and Practical (P)Skills *…..should be able to:*	Attitudes and Behaviours *…..should:*	Teaching and Learning method(s)	Assessment method(s)
2.6 Principles of imaging	2.6.1. Geometric requirements for image production	Understand the requirements to take a Grade 1 image (I) (P)	Find out about current best practice in the fields in which you work (See 1.1.3)	SDL, ST	FA
	2.6.2. Importance of quality of image – effects of distortion	Identify distortion on radiographs and realise why they have occurred, limiting it as far as reasonably practicable (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST	FA
	2.6.3. Use and limitation of radiography as a diagnostic aid	Recognise the limitation of a radiograph as a diagnostic aid (I) (P) Use the appropriate image receptors and dose reductive methods to maximise the diagnostic yield (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST, ACI SDL, ST	FA FA

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2.7 FILM HANDLING

Each learning outcome should be prefaced by: 'On completion of training, the radiography dental nurse……'

Subject	Knowledge *…..should be able to describe:*	Intellectual (I) and Practical (P)Skills *…..should be able to:*	Attitudes and Behaviours *…..should:*	Teaching and Learning method(s)	Assessment method(s)
2.7 Film handling	2.7.1. Storage – protection from heat, damp and radiation	Securely and safety store image receptors to maintain their integrity (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST, CBL	FA, ROC
	2.7.2. Conventional film processing	Correctly process conventional film (I) (P)	Find out about current best practice in the fields in which you work (See 1.1.8)	SDL, ST, CBL	FA, ROC
	2.7.3. Film fault identification	Recognise film faults and know how to rectify them (I) (P)		SDL, ST, CBL	FA, ROC
	2.7.4. Filing and retrieval	Correctly file and retrieve patient radiographs (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST, CBL	FA, ROC
	2.7.5. Information exchange	Exchange information securely maintaining patients confidentiality (I) (P)	Make and keep accurate and complete contemporaneous patient records (See 1.1.5) Refer patients for further treatment when it is necessary to do so or if the patient asks	SDL, ST	FA, ROC

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2.8 DIGITAL IMAGING –PRACTICAL INSTRUCTION

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Subject	Knowledge *…..should be able to describe:*	Intellectual (I) and Practical (P)Skills *…..should be able to:*	Attitudes and Behaviours *…..should:*	Teaching and Learning method(s)	Assessment method(s)
2.8 Digital imaging-practical instruction	2.8.1. Care of digital imaging receptors	Correctly store and maintain digital receptors (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST, CBL	FA, ROC
	2.8.2. Identification of digital image faults	Recognise faults and know how to rectify them (I) (P)	Reflect on personal knowledge and identify and understand any limits as well as strengths	SDL, ST, CBL	FA, ROC
	2.8.3. Image storage and data protection	Correctly file and retrieve patient radiographs (I) (P) exchange information securely maintaining patients confidentiality (I) (P	Prevent information from being accidentally revealed and prevent unauthorised access by keeping information secure at all times (See 1.1.5)	SDL, ST, CBL SDL, ST	FA, ROC

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2.9 INTRA-ORAL TECHNIQUES

Each learning outcome should be prefaced by: 'On completion of training, the radiography dental nurse……'

Subject	Knowledge *…..should be able to describe:*	Intellectual (I) and Practical (P)Skills *…..should be able to:*	Attitudes and Behaviours *…..should:*	Teaching and Learning method(s)	Assessment method(s)
2.9 Intra-oral techniques	2.9.1. Bitewings	Ideally take a Grade 1 bitewing tailored to the needs of the individual patient using the recommended technique (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST, CBL	FA, ROC
	2.9.2. Periapical views - paralleling technique - bisected angle technique	Ideally take a Grade 1 paralleling and bisected angle periapical view tailored to the needs of the individual patient using a recommended technique (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST, CBL	FA, ROC
	2.9.3. Image receptor holders and secondary collimation	Understand the principles of secondary collimation and apply them in the clinical setting (I) (P) Understand the benefits of using film holders (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST, CBL SDL, ST	FA, ROC FA, ROC
	2.9.4. Endodontic radiography	Ideally take a Grade 1 radiograph using a recommended intraoral technique (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST	FA,
	2.9.5. Occlusal radiography	Ideally take a Grade 1 occlusal view tailored to the needs of the individual patient using a recommended technique (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST, CBL	FA, ROC

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2.10 Extra-oral techniques	2.10.1. Oblique lateral view of the jaws	Ideally take a Grade 1 oblique lateral view tailored to the needs of the individual patient using a recommended technique (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST, CBL	FA, ROC
	2.10.2. Panoramic radiography (dental panoramic tomography)	Ideally take a Grade 1 panoramic view tailored to the needs of the individual patient using a recommended technique (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST, CBL	FA, ROC
	2.10.3. Cephalometry	Ideally take a Grade 1 cephalometric view tailored to the needs of the individual patient using a recommended technique (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST, CBL	FA, ROC

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2.11 QUALITY ASSURANCE

Each learning outcome should be prefaced by: 'On completion of training, the radiography dental nurse……'

Subject	Knowledge *…..should be able to describe:*	Intellectual (I) and Practical (P)Skills *…..should be able to:*	Attitudes and Behaviours *…..should:*	Teaching and Learning method(s)	Assessment method(s)
2.11 Quality assurance	2.11.1. Quality assurance and quality control	Participate in quality assurance programmes (I) (P) If requested lead a quality assurance programme (I) (P)	Find out about current best practice in the fields in which you work (See 1.1.8)	SDL, ST, CBL, ACI SDL, ST, CBL, ACI	FA, ROC FA, ROC
	2.11.2. Use of the three-point quality rating scale for radiographs	Recognise a Grade 1, 2 and 3 film and the relevance of each (I) (P) Participate in audits associated with the three-point quality rating scale for radiographs (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST, CBL, ACI SDL, ST, CBL, ACI	FA, ROC FA, ROC

Key: **Teaching and Learning methods**

ACI= Audit/Critical Incident Analysis, CA = Clinical Attachment, CBL= Case-Based Learning, SDL=Self-Directed Learning, ST=Structured Teaching

Assessment methods

FA= Formal Assessment, ROC= Record of Competence Incorporating: MSF = Multi-Source Feedback, PDP = Personal Development Portfolio, WBA = Workplace-Based Assessment

2.12 CARE OF PATIENTS

Each learning outcome should be prefaced by: 'On completion of training, the radiography dental nurse……'

Subject	Knowledge *…..should be able to describe:*	Intellectual (I) and Practical (P)Skills *…..should be able to:*	Attitudes and Behaviours *…..should:*	Teaching and Learning method(s)	Assessment method(s)
2.12 Care of patients	2.12.1. Children	Adapt, manage and take X-rays for paediatric patients (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST	FA, ROC
	2.12.2. Special care patients	Adapt, manage and take X-rays for special patients (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST	FA, ROC
	2.12.3. Infection control	Employ infection control techniques in line with HTM01-05 (I) (P)	Find out about current best practice in the fields in which you work (See 1.1.6) find out about laws and regulations which affect your work and follow them	SDL, ST	FA, ROC
	2.12.4. Communication of risks to patients	Suitably explain the risks to reflect the maturity and understanding of the patient (I) (P)	Give patients any information in a way they can understand, so that they make informed decisions about their care	SDL, ST	FA, ROC

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2.13 PRINCIPLES AND PRACTICE OF INTERPRETATION

Each learning outcome should be prefaced by: 'On completion of training, the radiography dental nurse……'

Subject	Knowledge *…..should be able to describe:*	Intellectual (I) and Practical (P)Skills *…..should be able to:*	Attitudes and Behaviours *…..should:*	Teaching and Learning method(s)	Assessment method(s)
2.13 Principles and practice of interpretation	2.13.1. Viewing conditions	Optimally view image receptors (I) (P)	Find out about current best practice in the fields in which you work	SDL, ST, ACI	FA, ROC
	2.13.2. Nature and limitations of the radiographic image - plain film	Recognise the nature and limitations of plain film (I) (P)	Continuously review personal knowledge	SDL, ST, ACI	FA, ROC
	2.13.3. Critical assessment of radiographic quality	Able to critically assess the radiographic quality of images (I) (P)	Share your knowledge and skills with other team members in the interests of patients	SDL, ST, ACI	FA, ROC

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2.14 FUNDAMENTALS OF RADIOLOGICAL ANATOMY

Each learning outcome should be prefaced by: 'On completion of training, the radiography dental nurse……'

Subject	Knowledge *…..should be able to describe:*	Intellectual (I) and Practical (P)Skills *…..should be able to:*	Attitudes and Behaviours *…..should:*	Teaching and Learning method(s)	Assessment method(s)
2.14 Fundamentals of radiological anatomy	2.14.1. Normal anatomy of teeth and jaws as seen on intra and extra-oral radiographs	Distinguish between normal and abnormal anatomy (I) (P)	Work within your knowledge, professional competence and physical abilities Get advice from appropriate colleagues when required	SDL, ST	FA

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2.15 IDENTIFICATION OF COMMON DENTAL PATHOLOGY

Each learning outcome should be prefaced by: 'On completion of training, the radiography dental nurse……'

Subject	Knowledge *…..should be able to describe:*	Intellectual (I) and Practical (P)Skills *…..should be able to:*	Attitudes and Behaviours *…..should:*	Teaching and Learning method(s)	Assessment method(s)
2.15 Identification of common dental pathology	2.15.1. Caries	Recognise carious lesions on radiographs (I) (P)	Work within your knowledge, professional competence and physical abilities	SDL, ST	FA
	2.15.2. Periapical disease	Recognise periapical disease on radiographs (I) (P)	Get advice from appropriate colleagues when required	SDL, ST	FA
	2.15.3. Periodontal disease	Recognise periodontal disease on radiographs (I) (P)	Get advice from appropriate colleagues when required	SDL, ST,	FA

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