



Unit title:	Applied Clinical Photography: Imaging Technologies and Techniques
Purpose and Aim of the Unit:	The aim of this unit is for learners to develop their photographic skills in standardised representational photography (SRP) and to apply strategies for adapting SRP techniques when photographing in different clinical settings. Learners will also advance their skills in non-standardised photography techniques to visually record features of medical conditions that may not be fully captured by SRP alone. The range of imaging technologies and techniques used in clinical photography practice for different clinical specialties, medical conditions and care pathways will also be examined.
Does the unit require pre-requisite learning?	Yes, learners must complete 'Clinical Photography Fundamentals', where learners practice standardised representational photography (SRP) in simulated cases. This 'Applied Clinical Photography: Imaging Technologies and Techniques' unit builds on the knowledge and skills learnt in 'Clinical Photography Fundamentals', requiring learners to photograph patients in real life situations.

For knowledge-based units:

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	The learner can:
<p>1. Know the application and storage techniques for a range of imaging technologies and techniques used in clinical photography practice.</p> <p>Mapping: AHCS: 8.3, 9.2, 9.3, 17.5, 17.6, 17.7, 17.8, 17.9 & 17.10 IMI: TBC – waiting on revised version</p>	<p>1.1. Critically evaluate the application of a range of imaging technologies and techniques used within clinical photography.</p> <p>1.2. Assess how clinical images (recorded using the range of imaging technologies identified in 1.1) are stored and handled, to maintain confidentiality.</p>
<p>2. Be able to photograph patients in different clinical settings.</p> <p>Mapping: AHCS: 11.2, 13.3, 13.4, 13.5 & 14.1 IMI: TBC – waiting on revised version</p>	<p>2.1. Use appropriate photographic protocols, equipment and techniques to photograph patients in different clinical settings.</p> <p>2.2. Critically evaluate photographs completed in 2.1 against SRP principles and recognised local and/or national standards.</p>
<p>3. Be able to control standardised representational photography (SRP) variables in a range of clinical settings.</p> <p>Mapping: AHCS: 11.2, 13.3, 13.4, 13.5, 13.7, 13.9 & 14.1 IMI: TBC – waiting on revised version</p>	<p>3.1. Apply SRP to produce consistent and comparable clinical photographs.</p> <p>3.2. Critically evaluate SRP photographs completed in 3.1 against SRP principles and recognised local and/or national standards</p> <p>3.3. Develop a photographic protocol to enable a clinical photographer to achieve SRP.</p>

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	The learner can:
	3.4. Critically evaluate the effectiveness of protocol developed in 3.3.
<p>4. Be able to use non-standardised photographic techniques for patient photography.</p> <p>Mapping: AHCS: 11.2, 13.3, 13.4, 13.5 & 14.1 IMI: TBC – waiting on revised version</p>	<p>4.1. Apply different photographic techniques when clinical setting and/or patient needs impact on the ability to achieve SRP.</p> <p>4.2. Apply non-standardised photography to record the visual characteristics of medical conditions that cannot be seen by SRP alone.</p> <p>4.3. Critically evaluate the photographic quality and clinical value of the photographs taken in 4.1 and 4.2.</p>
<p>5. Be able to use different imaging technologies for clinical photography.</p> <p>Mapping: AHCS: 13.2, 13.3, 13.4, 13.5 & 14.1 6. IMI: TBC – waiting on revised version</p>	<p>5.1 Use additional imaging technology to record characteristics of medical conditions that cannot be captured by routine digital photography and SRP techniques alone.</p> <p>5.2 Critically evaluate the photographic quality and clinical value of the photographs taken in 5.1.</p>

Assessment Information:							
Please indicate below any specific assessment information to be used with this unit, explaining range statements and minimum requirements within assessment criteria.							
<p>Learning Outcome 1</p>	<p>Assessment Criteria 1.1 must include:</p> <ul style="list-style-type: none"> the range of current photographic technology and techniques used in clinical photography practice. The range must be across the clinical photography profession, as opposed to the technology and techniques used in own department. To include video as well as single image capture. the application of different photography equipment and techniques used at different stages of patient care pathways technology and techniques used by clinical photographers and non-clinical photographers. <p>Assessment Criteria 1.2 must include:</p> <ul style="list-style-type: none"> image capture, storage, through to image output. 						
<p>Learning Outcome 2</p>	<p>Assessment Criteria 2.1 must include:</p> <ul style="list-style-type: none"> adherence to local protocols evidence of standardised representational photography (SRP) in line with own department's photographic standards and/or Institute of Medical Illustrators (IMI) National Guidelines undertaking patient photography in the following settings: <table border="1" data-bbox="456 1912 1374 2024"> <thead> <tr> <th>Clinical setting</th> <th>Number of patients to photograph in</th> <th>Anatomical regions to photograph in each clinical setting</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Clinical setting	Number of patients to photograph in	Anatomical regions to photograph in each clinical setting			
Clinical setting	Number of patients to photograph in	Anatomical regions to photograph in each clinical setting					

			each clinical setting	<i>The number of patients photographed for each anatomical region is not specified.</i>
		Photography studio	20	<ul style="list-style-type: none"> ▪ head/neck ▪ torso ▪ upper extremities ▪ lower extremities
		Wards	20	<ul style="list-style-type: none"> ▪ head/neck ▪ torso ▪ upper extremities ▪ lower extremities
		Outpatient clinics / Accident and Emergency	10	<ul style="list-style-type: none"> ▪ head/neck ▪ torso ▪ upper extremities ▪ lower extremities
		Operating theatre	5	<ul style="list-style-type: none"> ▪ None specified
Learning Outcome 3	<p>Assessment Criteria 3.1 must include the control of standardised representational photography (SRP) variables to evidence:</p> <ul style="list-style-type: none"> ▪ photography of a single patient: <ul style="list-style-type: none"> ▪ serial photography to demonstrate using the same SRP technique ▪ patient photographed on a minimum of three separate occasions ▪ multiple patients (minimum of three) with the same medical condition, effecting the same anatomical location. Photography to demonstrate using the same SRP technique. <p>Assessment Criteria 3.3 must include the learner developing a single photographic protocol that:</p> <ul style="list-style-type: none"> ▪ addresses all standardised representational photography (SRP) criteria ▪ enables at least one clinical photographer (not the learner) to test the photographic protocol in a simulated case. <p>Assessment Criteria 3.4 must include an evaluation of:</p> <ul style="list-style-type: none"> ▪ the protocol against SRP principles and recognised local and/or national standards ▪ feedback from the clinical photographer used in 3.3 ▪ the usability of the protocol – interpretation of the protocol and image output ▪ how successful the protocol is in enabling SRP to be achieved. 			
Learning Outcome 4	<p>Assessment Criteria 4.1 must include five patient cases.</p> <p>Assessment Criteria 4.2 must include:</p> <ul style="list-style-type: none"> ▪ five patient cases, presenting with different medical conditions ▪ evaluation of the limitations of SRP in showing the medical conditions. 			
Learning Outcome 5	<p>Assessment Criteria 5.1 must include:</p> <ul style="list-style-type: none"> ▪ ten patient cases ▪ use a minimum of one additional imaging technology per patient case, e.g. dermoscopy, 3D imaging, cross polarisation, or specialist ophthalmic imaging <p>If local department uses more than one additional imaging technology, utilise all technologies available.</p>			

If not specifically stated in the assessment information, a **plural statement in any assessment criteria means a minimum of two.**

Prescribed Assessment Methods:

Learners must present a portfolio of clinical photographs.

