

**مقارنة ما يقدمه البرنامج من نتائج تعليمية مستهدفة مع المعايير المرجعية لبرنامج  
الدكتوراه في جراحة التجميل**

أ - المعرفة والفهم:

المقررات التي تحقق المعايير الأكاديمية للبرنامج	ILOs مخرجات التعلم المستهدفة	(ARS) Benchmark المعايير الأكاديمية لجامعات إنجلترا	(NARS) المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا (درجة الدكتوراه في جراحة التجميل)
<ul style="list-style-type: none"> <li>-Applied Anatomy related to plastic surgery</li> <li>-Applied Pathology related to plastic surgery</li> <li>-plastic surgery</li> <li>-LASER in plastic surgery</li> <li>-Tissue engineering</li> <li>-ICU in burn</li> </ul>	A8,9,14, 15,16,17, 19,20,21	<ul style="list-style-type: none"> <li>-There are many advances in the field of plastic surgery as:</li> <li>-supermicrosurgery.</li> <li>-free lymphatic tissue transfer.</li> <li>-skin bank.</li> <li>-LASER therapy</li> </ul>	1. The theories, concepts and modern knowledge in the field of specialization and other related field
<ul style="list-style-type: none"> <li>-Applied Anatomy related to plastic surgery</li> <li>-Applied Pathology related to plastic surgery</li> <li>-plastic surgery</li> <li>-LASER in plastic surgery</li> <li>-Tissue engineering</li> <li>-ICU in burn</li> </ul>	A11,12,13 B6	<ul style="list-style-type: none"> <li>-Demonstrates understanding of the basic principles of audit, clinical risk management &amp; evidence based practice</li> <li>-Understanding of basic research principles, methodology &amp; ethics, with a potential to contribute to research</li> <li>-Evidence of active participation in audit</li> <li>-Evidence of contributing to teaching &amp; learning of others</li> </ul>	2. The basics, methodologies, ethics of scientific research and its versatile tools
<ul style="list-style-type: none"> <li>-Applied Anatomy related to plastic surgery</li> <li>-Applied Pathology related to plastic surgery</li> <li>-plastic surgery</li> <li>-LASER in plastic surgery</li> <li>-Tissue engineering</li> <li>-ICU in burn</li> </ul>	A1,2,3,4, 5,6,12 B9 C6,D7	<ul style="list-style-type: none"> <li>To understand the ethical and legal obligations of a surgeon</li> <li>To understand consent and ethical issues in burned patients certified DNAR (do not attempt resuscitation)</li> </ul>	3. The moral and legal ethics of the professional practice in the area of Plastic surgery
<ul style="list-style-type: none"> <li>-Applied Anatomy related to plastic surgery</li> <li>-Applied Pathology related to plastic surgery</li> <li>-plastic surgery</li> <li>-LASER in plastic surgery</li> <li>-Tissue engineering</li> <li>-ICU in burn</li> </ul>	A13 D6	Competence in the management of patients presenting with a range of symptoms and elective conditions as specified in the core syllabus for the specialty of plastic surgery.	4. The concepts and principles of quality of the professional practice in the area of Plastic surgery
<ul style="list-style-type: none"> <li>-Applied Anatomy related to plastic surgery</li> <li>-Applied Pathology related to plastic surgery</li> <li>-plastic surgery</li> <li>-LASER in plastic surgery</li> <li>-Tissue engineering</li> <li>-ICU in burn</li> </ul>	A10, B5	<ul style="list-style-type: none"> <li>-Acquire experience in the management of a post surgical patient on the critical care, high dependency and post- operative wards.</li> <li>-Gain experience in the evaluation and management of a patient undergoing surgery</li> </ul>	5. The knowledge on the effects of professional practice on the environment and ways of development and maintenance of the environment

ب - القدرات الذهنية :

المقررات التي تحقق المعايير الأكاديمية للبرامج	مخرجات التعلم المستهدفة ILOs	(ARS) Benchmark المعايير الأكاديمية لجامعة	(NARS) المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا (درجة الدكتوراه في جراحة التجميل)
<ul style="list-style-type: none"> <li>-Applied Anatomy related to plastic surgery</li> <li>-Applied Pathology related to plastic surgery</li> <li>-plastic surgery</li> <li>-LASER in plastic surgery</li> <li>-Tissue engineering</li> <li>-ICU in burn</li> </ul>	<p>B7 D11</p>	<ul style="list-style-type: none"> <li>-Clinical assessment and management of the pre-operative, post-operative and critically ill patient</li> <li>-Analysis and interpretation of investigations, including specific diagnostic tests.</li> </ul>	<p>1) Analyze and evaluate of information in the field of specialization and make full use of such information to solve problems</p>
<ul style="list-style-type: none"> <li>-Applied Anatomy related to plastic surgery</li> <li>-Applied Pathology related to plastic surgery</li> <li>-plastic surgery</li> <li>-LASER in plastic surgery</li> <li>-Tissue engineering</li> <li>-ICU in burn</li> </ul>	<p>B1,2,3,4 5,6 D2,5</p>	<ul style="list-style-type: none"> <li>-Capacity to think beyond the obvious, with analytical and flexible mind</li> <li>-Capacity to bring a range of approaches to problem solving</li> <li>-Clinical assessment and management of the pre-operative, post-operative and critically ill patient</li> </ul>	<p>2) Solve specific problems on the basis of limited and contradictory information</p>
<ul style="list-style-type: none"> <li>-Applied Anatomy related to plastic surgery</li> <li>-Applied Pathology related to plastic surgery</li> <li>-plastic surgery</li> <li>-LASER in plastic surgery</li> <li>-Tissue engineering</li> <li>-ICU in burn</li> </ul>	<p>B11-13 D5,6</p>	<ul style="list-style-type: none"> <li>-Demonstrates understanding of the basic principles of audit, clinical risk management &amp; evidence based practice</li> <li>-Understanding of basic research principles, methodology &amp; ethics, with a potential to contribute to research</li> <li>-Evidence of active participation in audit</li> <li>-Evidence of contributing to teaching &amp; learning of others</li> </ul>	<p>3) Carry out a research studies to add new information to the knowledge</p>
<ul style="list-style-type: none"> <li>-Applied Anatomy related to plastic surgery</li> <li>-Applied Pathology related to plastic surgery</li> <li>-plastic surgery</li> <li>-LASER in plastic surgery</li> <li>-Tissue engineering</li> <li>-ICU in burn</li> </ul>	<p>B4,5 D5,6</p>	<ul style="list-style-type: none"> <li>-Demonstrates understanding of the basic principles of audit, clinical risk management &amp; evidence based practice</li> <li>-Understanding of basic research principles, methodology &amp; ethics, with a potential to contribute to research</li> <li>-Evidence of active participation in audit</li> <li>-Evidence of contributing to teaching &amp; learning of others</li> </ul>	<p>4) Write scientific papers</p>

<ul style="list-style-type: none"> <li>-Applied Anatomy related to plastic surgery</li> <li>-Applied Pathology related to plastic surgery</li> <li>-plastic surgery</li> <li>-LASER in plastic surgery</li> <li>-Tissue engineering</li> <li>-ICU in burn</li> </ul>	<p>A6 B4,5</p>	<ul style="list-style-type: none"> <li>-To manage patient care in the peri-operative period.</li> <li>-To assess and manage preoperative risk.</li> <li>-To take part in the conduct of safe surgery in the operating theatre environment.</li> <li>-To assess and manage bleeding including the use of blood products.</li> <li>-To care for the patient in the post-operative period including the assessment of common complications.</li> </ul>	<p>5) Assess and analyze risks in the field of specialization</p>
<ul style="list-style-type: none"> <li>-Applied Anatomy related to plastic surgery</li> <li>-Applied Pathology related to plastic surgery</li> <li>-plastic surgery</li> <li>-LASER in plastic surgery</li> <li>-Tissue engineering</li> <li>-ICU in burn</li> </ul>	<p>B8,9 C1-6</p>	<p>Professional behaviour and leadership skills</p> <ul style="list-style-type: none"> <li>o To provide good clinical care</li> <li>o To be a good communicator</li> <li>o To teach and to train</li> <li>o To keep up to date and know how to analyse data</li> <li>o To understand and manage people and resources within the health environment</li> <li>o To promote good Health</li> <li>o To understand the ethical and legal obligations of a surgeon</li> </ul>	<p>6) Plan to improve performance in the field of specialization</p>
<ul style="list-style-type: none"> <li>-Applied Anatomy related to plastic surgery</li> <li>-Applied Pathology related to plastic surgery</li> <li>-plastic surgery</li> <li>-LASER in plastic surgery</li> <li>-Tissue engineering</li> <li>-ICU in burn</li> </ul>	<p>C1-6 D2</p>	<ul style="list-style-type: none"> <li>-Capacity to monitor and anticipate situations that may change rapidly</li> <li>-Demonstrates effective judgement and decision-making skills</li> <li>-The objective of the training programme is to produce trained plastic surgeons, who will have the clinical knowledge, the surgical expertise and the professional skills necessary for consultant practice.</li> </ul>	<p>7) Make good decisions in different professional aspects</p>
<ul style="list-style-type: none"> <li>-Applied Anatomy related to plastic surgery</li> <li>-Applied Pathology related to plastic surgery</li> <li>-plastic surgery</li> <li>-LASER in plastic surgery</li> <li>-Tissue engineering</li> <li>-ICU in burn</li> </ul>	<p>B11,12,13, 14,15 C1-6</p>	<ul style="list-style-type: none"> <li>-To assess the surgical patient</li> <li>-To elicit a history that is relevant, concise, accurate and appropriate to the patient's problem</li> <li>-To produce timely, complete and legible clinical records.</li> <li>-To assess the patient adequately prior to operation and manage any preoperative problems appropriately.</li> </ul>	<p>8) Have innovation/creativity</p>

		-To propose and initiate surgical or non-surgical management as appropriate. -To take informed consent for straightforward cases.	
-Applied Anatomy related to plastic surgery -Applied Pathology related to plastic surgery -plastic surgery -LASER in plastic surgery -Tissue engineering -ICU in burn	C1-6	-Candidates should be up to date and fit to practise safely -Preparation of the surgeon for surgery *Effective and safe hand washing, gloving and gowning *Administration of local anaesthesia *Accurate and safe administration of local anaesthetic agent -Preparation of a patient for surgery *Creation of a sterile field *Antisepsis *Draping	9) Discuss and negotiate in high level of confidence based upon proofs and evidences

### ج - المهارات العملية:

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-Applied Anatomy related to plastic surgery -Applied Pathology related to plastic surgery -plastic surgery -LASER in plastic surgery -Tissue engineering -ICU in burn	C1-6 D1,2	Professional behaviour and leadership skills o To provide good clinical care o To be a good communicator o To teach and to train o To keep up to date and know how to analyse data o To understand and manage people and resources within the health environment o To promote good Health	1) Apply modern and principle professional skills in the area of specialization
-Applied Anatomy related to plastic surgery -Applied Pathology related to plastic surgery -plastic surgery -LASER in plastic surgery -Tissue engineering -ICU in burn	C2,4	Candidates should be efficient in writing of operation and medical records	2) Write and evaluate technical reports

<p>-Applied Anatomy related to plastic surgery</p> <p>-Applied Pathology related to plastic surgery</p> <p>-plastic surgery</p> <p>-LASER in plastic surgery</p> <p>-Tissue engineering</p> <p>-ICU in burn</p>	<p>C4,7,8,9,10,11,12,13,14</p> <p>D4,6</p>	<p>Ability to assess the patient and manage the patient, and propose surgical or non-surgical management.</p>	<p>3) Adopt assessment methods and tools existing in the area of specialization.</p>
<p>-Applied Anatomy related to plastic surgery</p> <p>-Applied Pathology related to plastic surgery</p> <p>-plastic surgery</p> <p>-LASER in plastic surgery</p> <p>-Tissue engineering</p> <p>-ICU in burn</p>	<p>C2</p> <p>D1,5</p>	<p>-To assess the surgical patient</p> <p>-To elicit a history that is relevant, concise, accurate and appropriate to the patient's problem</p> <p>-To produce timely, complete and legible clinical records.</p> <p>-To assess the patient adequately prior to operation and manage any preoperative problems appropriately.</p> <p>-To propose and initiate surgical or non-surgical management as appropriate.</p> <p>-To take informed consent for straightforward cases.</p>	<p>4) Use of the appropriate technological means to serve the professional practice.</p>

د- مهارات الاتصال:

المقررات التي تحقق المعايير الأكاديمية للبرامج	مخرجات التعلم المستهدفة ILOs	(ARS) Benchmark المعايير الأكاديمية لجامعة	(NARS) المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا (درجة الدكتوراه في جراحة التجميل)
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<p>-Applied Anatomy related to plastic surgery</p> <p>-Applied Pathology related to plastic surgery</p> <p>-plastic surgery</p> <p>-LASER in plastic surgery</p> <p>-Tissue engineering</p>	<p>D1,5,6,10</p>	<p>Professional behaviour and leadership skills</p> <ul style="list-style-type: none"> <li>o To provide good clinical care</li> <li>o To be a good communicator</li> <li>o To teach and to train</li> </ul>	<p>2) Demonstrate efficient IT capabilities in such a way that serves in the development of the professional practice</p>

<p>-ICU in burn</p>		<ul style="list-style-type: none"> <li>o To keep up to date and know how to analyse data</li> <li>o To understand and manage people and resources within the health environment</li> <li>o To promote good Health</li> </ul>	
<p>-Applied Anatomy related to plastic surgery          -Applied Pathology related to plastic surgery          -plastic surgery          -LASER in plastic surgery          -Tissue engineering          -ICU in burn</p>	<p>D1,2,4</p>	<p>-Takes responsibility for own actions          -Demonstrates respect for the rights of all          -Demonstrates awareness of ethical principles, safety, confidentiality &amp; consent          -Capacity to operate effectively under pressure &amp; remain objective In highly emotive/pressurised situations          -Awareness of own limitations &amp; when to ask for help</p>	<p>3) Adopt self-assessment and Adopt life-long learning</p>
<p>-Applied Anatomy related to plastic surgery          -Applied Pathology related to plastic surgery          -plastic surgery          -LASER in plastic surgery          -Tissue engineering          -ICU in burn</p>	<p>D2,3,4</p>	<p>Learning &amp; Development.</p> <ul style="list-style-type: none"> <li>• Shows realistic insight into plastic surgery and the personal demands of a commitment to surgery</li> <li>• Demonstrates knowledge of training programme &amp; commitment to own development</li> <li>• Shows critical &amp; enquiring approach to knowledge acquisition, commitment to self-directed learning and a reflective/analytical approach to practice.</li> </ul>	<p>4) Use different resources for information and knowledge</p>
<p>-Applied Anatomy related to plastic surgery          -Applied Pathology related to plastic surgery          -plastic surgery          -LASER in plastic surgery          -Tissue engineering          -ICU in burn</p>	<p>D1,3,5,6,7,10</p>	<p>Professional behaviour and leadership skills</p> <ul style="list-style-type: none"> <li>o To provide good clinical care</li> <li>o To be a good communicator</li> <li>o To teach and to train</li> <li>o To keep up to date and know how to analyse data</li> <li>o To understand and manage people and resources within the health environment</li> </ul>	<p>5) Collaborate effectively within multidisciplinary team and lead team works</p>

		o To promote good Health	
<ul style="list-style-type: none"> <li>-Applied Anatomy related to plastic surgery</li> <li>-Applied Pathology related to plastic surgery</li> <li>-plastic surgery</li> <li>-LASER in plastic surgery</li> <li>-Tissue engineering</li> <li>-ICU in burn</li> </ul>	D10,12	<ul style="list-style-type: none"> <li>-Capacity to manage time and prioritise workload, balance urgent &amp; important demands, follow instructions</li> <li>-Understands importance &amp; impact of information systems</li> </ul>	6) Manage the scientific meetings and manage time