







Joint Committee on Intercollegiate Examinations

Intercollegiate Specialty Examination in Trauma & Orthopaedic Surgery

Syllabus Blueprint 2023

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Principles for Blueprinting Assessment to the Curriculum in Surgical Specialties

- 1. Standard educational practice requires a curriculum to include an indication of how each aspect of the syllabus is to be assessed. This "blueprinting" process also shows how each aspect relates to Good Medical Practice.
- 2. Each specialty syllabus has been mapped to a range of assessments:
 - a. CEX
 - b. CBD
 - c. DOPS
 - d. PBA
 - e. MSF
 - f. Section 1 Intercollegiate Specialty Board (ISB) Examination written section
 - g. Section 2 Intercollegiate Specialty Board (ISB) Examination clinical and oral section
- 3. This does not imply that the indicated assessments must be used.
- 4. The indications are not exclusive, and it is possible that other types of assessment which have not been indicated may also be used to assess individual items.
- 5. In general:
 - a. Knowledge will be assessed by Section 1 and Section 2 ISB Examination and by CBD.
 - b. Clinical skills will be assessed by CEX and Section 2 ISB Examination.
 - c. The use of scenarios within Section 2 ISB Examination allows a wide range of clinical skills to be assessed.
 - d. Technical skills will be assessed by DOPS and PBA
 - e. Professional skills will be assessed by MSF
- 6. The blueprinting indicates which assessments may be used for each item at any stage through training.
- 7. The Good Medical Practice domains are:
 - 1. Knowledge, skills and performance
 - 2. Safety and quality
 - 3. Communication, partnership and teamwork
 - 4. Maintaining trust

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APPLIED CLINICAL (BASIC) SCIENCE	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
Anatomy						.,		1
Clinical and functional anatomy with pathological and operative relevance		X	.,			X	X	1
Surgical approaches to the limbs and axial skeleton		X	Х	Х		X	Х	1
Embryology of musculoskeletal system		Х				Х		
Structure and function of connective tissue								
Bone		Х				X	Х	1
Cartilage - articular, meniscal		X				X	X	1
Muscle and tendon		X				X	X	1
Synovium		X				X	X	1
		X				X	X	1
Ligament Nerve		X				X	X	1
Intervertebral disc		X				X	X	1
intervertebrar disc		^				^	Λ	1
Pathology								
Thromboembolism and prophylaxis		Х				X	Х	1
Principles of fracture healing		X				X	X	1
Biology of wound healing		X				X	X	1
Tendon and ligament injury and healing		X				X	X	1
Nerve injury and regeneration		X				X	X	1
Shock - types, physiology, recognition and treatment		X CC				X	X	1
Metabolism and hormonal regulation		X				X	X	1
Metabolism and mornional regulation Metabolic and immunological response to trauma		X CC				X	X	+
Blood loss in trauma/surgery, fluid balance and blood transfusion	+	X CC				X	X	1 1
Osteoarthritis	+	X				X	X	1
	-							+
Osteoporosis Metabolic bone disease		X				X	X	1
	-	X				X	X	1
Rheumatoid arthritis and other arthropathies (inflammatory, crystal, etc)		X				X	X	1
Haemophilia Inherited musculoskolatal disorders		X				X	X	1
Inherited musculoskeletal disorders Neuromusculor disorders inherited and acquired		X				X	X	1
Neuromuscular disorders - inherited and acquired Meshanisms and classification of failure of inint replacement and of peripresthetic fractures:	1	X				X	X	1
Mechanisms and classification of failure of joint replacement and of periprosthetic fractures:		X				X	X	1
Osteonecrosis		Х				X	Х	1
Osteochondritides		Х				Х	Х	1
Heterotopic ossification		Х				Х	Х	1
Infection of bone, joint, soft tissue, including tuberculosis , and their prophylaxis		X CC				X	Х	1
Prosthetic infection		Х				Х	Х	1
Surgery in high risk and immuno- compromised patients		Х				Х	Х	1
Prostheses and Orthoses								
Principles of design		Х				X	Х	1
Prescription and fitting of standard prostheses		Х				Х	Х	1
Principles of orthotic bracing for control of disease, deformity and instability		Х	Х			Х	Х	1
Pain								
Anaesthesia - principles and practice of local and regional anaesthesia and principles of general anaesthesia		Х		Х		X	Х	1,3
Pain management programmes and management of complex regional pain:		Х				X	Х	1,3
Pain and pain relief		Х		Х		X	Х	1,3
Behavioural dysfunction and somatization		Х				Х	Х	1
Musculoskeletal oncology								
Presentation, radiological features, pathological features, treatment and outcome for common benign and malignant	X	Χ				Х	X	1
tumours								
Principles of management of patients with metastatic bone disease in terms of investigation, prophylactic and definitive		Х				Х		1 1 2
fixation of pathological fractures and oncological management		^					Х	1,3
Trippengana and the strippengana and the strippenga								
Presenting features, management and outcome of soft tissue swellings, including sarcomas	Х	X				X	X X	1,3
	X							
Biomechanics & Biomaterials	X	X				X	X	1
Biomechanics & Biomaterials Bone grafts, bone banking and tissue transplantation	Х	X				X	X	1
Biomechanics & Biomaterials Bone grafts, bone banking and tissue transplantation Biomechanics of musculoskeletal tissues	X	X X X				X X X	X X X	1
Biomechanics & Biomaterials Bone grafts, bone banking and tissue transplantation Biomechanics of musculoskeletal tissues Biomechanics of fracture fixation	X	X X X				X X X	X X X	1 1 1 1
Biomechanics & Biomaterials Bone grafts, bone banking and tissue transplantation Biomechanics of musculoskeletal tissues Biomechanics of fracture fixation Tribology of natural and artificial joints	X	X X X X				X X X X	X X X X	1 1 1 1
Biomechanics & Biomaterials Bone grafts, bone banking and tissue transplantation Biomechanics of musculoskeletal tissues Biomechanics of fracture fixation Tribology of natural and artificial joints Design of implants and factors associated with implant failure (wear, loosening)	X	X X X X				X X X X X	X X X X X	1 1 1 1 1 1
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Biomechanics & Biomaterials Bone grafts, bone banking and tissue transplantation Biomechanics of musculoskeletal tissues Biomechanics of fracture fixation Tribology of natural and artificial joints Design of implants and factors associated with implant failure (wear, loosening) Biomaterials Genetics and cell biology Application/relevance of modern genetics to orthopaedic disease and treatment	X	X X X X X X				X X X X X X	X X X X X X X X	1 1 1 1 1 1
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Equipment Design and Use								
Tourniquets and diathermy		Х	Х	Х		Х	Х	1
Sterilisation		Х		Х		Х	Х	1
Infection prevention and control		Х	Х	Х		Х	Х	1,3
Patient warming methods and rationale		Х		Χ		Х	Х	1,3
Skin preparation and scrubbing		Х	Х	Х		Х	Х	1
Medical Ethics								
Duty of care	Х	Х	Х	Х	Х	Х	Х	1,2,3
Informed consent	Х	Х	Х	Х		Х	Х	1,2,3,4
Evidence Management								
Data Analysis								
Data analysis and statistics - principles and applications		Х				Х	Х	1,2
Principles of epidemiology		Х				Х	Х	1,2
Clinical Trials								
Design and conduct of clinical trials		Х				Х	Х	1,2,3
Quality improvement								
Quality improvement projects including principles, methods and reporting		Х				Х	Х	1,2,3
Audit		Х				Х	Х	1,2,3
Clinical governance		Х				Х	Х	1,2,3
FOOT AND ANKLE	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
Basic Science (Regional)								
Anatomy								
Anatomy of the foot and ankle and related structures		Х				Х	Х	1

Clinical governance	_	Х				Х	X	1,2,3
FOOT AND ANI// F	OFW.	600	DODG	DD 4		100.0 11 4	1 100 0 11 0	CNAD
FOOT AND ANKLE	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
Basic Science (Regional)								
Anatomy								
Anatomy of the foot and ankle and related structures		Х				Х	Х	1
Surgical approaches: ankle, subtalar joint, mid-tarsal joint and forefoot and arthroscopic access		Х	Х	Х		Х	X	1
Surgical approach to ankle fractures		Х	Х	Х		Х	Х	1
Physiology							.,	
Physiology of nerve function around the foot and ankle		Х				Х	Х	1
Pathology								
Inflammatory, degenerative and infective conditions of the foot and ankle		Х				X	Х	1
	+ ,						1	
Instability of the foot and ankle	X	X				X	X	1
The neuropathic foot	Х	Х				Х	Х	1
Deformity								
Acquired and developmental deformities of the foot and ankle		Х				Х	Х	1
required and developmental deformation of the foot and animal								_
Pain	1							
Causes of foot pain	Х	Х				Х	Х	1
Causes of foot pain	^	^				^	^	1
Biomechanics & Biomaterials								
Biomechanics of the foot and ankle		Х				X	Х	1
Biomechanics of tendon transfer techniques						X	X	
·	-	Х				Χ	Χ	1
Biomechanics of the various types of ankle and first ray prostheses including the factors influencing design, wear and loosening		Х				Х	Х	1
The functional role of orthotic devices		Х	Х	Χ		Х	Х	1
Investigations								
Radiological investigations to assess foot and ankle conditions		Х				X	Х	1,3
Role of diagnostic and guided injections of the foot and ankle		Х				Х	Х	1,3
Role of examination under anaesthetic and diagnostic arthroscopy		Х	Х	Χ		Х	Х	1,3
Neurophysiology in foot and ankle disorders		Х				Х	Х	1,3
Critical Conditions								
		V 66						1.2
Compartment syndrome	X	X CC	Х	Х		Х	Х	1,3
Assessments								
History and examination of the foot and ankle including special clinical tests	Х	Х				Х	Х	1,3
Thistory and examination of the foot and affice including special clinical tests	 ^	^					^	1,5
Treatments								
Operative								
Prosthetic replacement in the foot and ankle			Х	Х		Х	Х	1
Arthroscopy of the foot and ankle			Х	Х		Х	Х	1
Amputations in the foot and ankle			X	X		X	Х	1
Arthrodesis in the foot and ankle			Х	X		X	X	1
Excision arthroplasty	+		X	X		X	X	1
First ray surgery	+		X	X		X	X	1
Lesser toe surgery			X	X		X	X	1
Ligament reconstruction in the foot and ankle			X	X		X		
The rheumatoid foot and ankle	+						X	1
	_		X	X		X	X	1
The neuropathic foot			X	X		X	X	1
Management of tendon, ligament and nerve injuries			X	X		X	X	1
Tendon transfers	-		Х	Х		Х	Х	1
Non operative								
Footwear modifications, orthoses and total contact casting	Х	Х	Х			Х	Х	1,3
Rehabilitation of the foot and ankle	-	Х				Х	Х	1,3
Complications							1	
Complications	-							
Management of failed arthroplasty and management of failed soft tissue surgery		Х	Х	Χ		X	Х	1

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KNEE	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
Basic Science (Regional)								
Anatomy								
•	1					.,	.,	
Anatomy of the knee joint and related structures		Х				Х	Х	1
Surgical approaches to the knee and arthroscopic access		Х	Χ	Χ		Χ	X	1
	<u> </u>							
Physiology								
Physiology of nerve function around the knee		Х				Χ	Χ	1,3
	1							<u> </u>
	<u> </u>							
Pathology								
Inflammatory, degenerative and infective conditions of the knee	Х	Х				Х	Х	1
								1
Instability of the knee, including the patellofemoral joint	Х	Х				X	X	1
Deformity								
•	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					V	V	4
Acquired and developmental deformities of the knee	Х	Х				X	Х	1
Pain	† 							
	.							_
Causes of the painful knee	Х	Х				Х	Х	1
Neoplasia	 							
•								
Benign and malignant conditions in the knee and surrounding structures	Х	Х				Χ	Χ	1
	1							Ī
	+							
Biomechanics & Biomaterials	<u> </u>				<u> </u>			<u></u>
Biomechanics of the knee	1	Х				Х	Х	1
	1		V	٧/				ł
Biomechanics of knee arthroplasty		Х	Χ	Χ		X	Х	1
	<u>L</u>				<u>L</u>			
Investigations								
	+				 			
Radiological investigation to assess the knee	 	Х				X	X	1,3
Diagnostic and therapeutic injections	1	Х	Х]	Ī	Χ	Х	1,3
Examination under anaesthetic and arthroscopy	1	Х	X	Х		X	X	1,3
. ,			^	^				
Neurophysiology in knee disorders	<u> </u>	Х			<u></u>	X	X	1,3
Cuttinal Countries	 							
Critical Conditions								
Neurovascular injuries	Х	X CC	Χ	Χ		Χ	Χ	1,3
Dislocated knee		Х				Х	Х	
	-	^				^	^	
Assessments								
History and examination of the knee joint including special clinical tests	Х	Х				Х	Х	1,3
Thistory and examination of the knee joint metaling special clinical tests	 ^					Λ	Λ	1,5
Treatments								
Operative								
·								
Arthroplasty of the knee			Х	Χ		Χ	Χ	1
Arthroscopy of the knee			Х	Х		Х	Х	1
	 							ł
Ligamentous instability of the knee in adult and child			Х	Χ		X	Х	1
Patello-femoral disorders			Χ	Χ		Χ	Χ	1
Meniscal pathology			Х	Х		Х	Х	1
	-							ł
Degenerative and inflammatory arthritis			Х	Χ		Х	Χ	1
Principles of revision surgery for failed arthroplasty			Χ	Χ		Х	Х	1
	 							1
Techniques available to repair and replace articular cartilage and osteochondral defects	<u> </u>		Χ	Х		X	Х	1
Management of tendon, ligament and nerve injuries			Χ	Χ		Χ	X	1
<u>.</u>	+				-			
Non operative	<u> </u>				<u> </u>			
Orthoses	1	Х	Χ			Х	Х	1,3
Rehabilitation of the knee	 							1
Incharmitation of the knee	 	Х				X	Х	1,3
	1							
Complications								
•	 	- V			 	.,	V.	-
Failed arthroplasty and soft tissue surgery	Х	Х	Х	Χ		X	X	1
HIP	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
	CLA	200	DUF3	. DM	14131	135 Section 1	135 Section 2	GIVIE
Basic Science (Regional)								
Anatomy								
•	 	~				V	v	1
Anatomy of the hip and pelvic region and related structures		Х				Х	X	1
Surgical approaches to the hip including arthroscopic access	1	Х	Χ	Χ		X	X	1
	i –				Ì			
	+							
Physiology	<u> </u>				<u> </u>			<u></u>
Physiology of nerve function affecting the hip	1	Х				Х	Х	1
<u> </u>	1 							
	 							
Pathology	<u> </u>				<u> </u>			
Inflammatory, degenerative and infective conditions of the hip	Х	Х				Х	Х	1
								<u> </u>
Impingement disorders	Х	Х				X	X	1
	1							
Primary and Secondary Tumours around the Hip		1			i	Х	Х	1,3
		V	l.		1	^	^	1,3
Deformity		Х						
		X						
Acquired and developmental deformity around the hip	X	X				X	X	1
Acquired and developmental deformity around the hip	Х							1
	Х							1
	Х							1
Pain		Х				Х	Х	
	X							1
Pain		Х				Х	Х	
Pain The painful hip		Х				Х	Х	
Biomechanics & Biomaterials		X				X	X	1
Pain The painful hip		Х	X	X		Х	Х	

Biomechanics of hip arthroplasty

Section			I	I	ı	ı		1	1
Date and subsidiary short over the property of	Investigations								
			Х						1,3
New Company of the Content of the procurating special street bests				Х					1,3
Assessment Assess	Hip arthroscopy		Х		Х		Х	X	1,3
window and commentation of high profusing general cincial reds. 1	Neurophysiology in hip disorders		Х				Х	X	1,3
window and commentation of high profusing general cincial reds. 1									
window and commentation of high profusing general cincial reds. 1	Assessments								
Treatments		Х	Х			Х	Х	Х	1.3
Special form (1)	Thistory and examination of hip including special climical tests					, ,			_,_
Special form (1)	Treatments								1
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Anthony contents on the contents of the right of the contents								.,	
Soft dates experted your development and net in soles to the file of the file									
Management of Lee doub, ligament and rever inlinings Management of Lee doub, ligament and ligament of Lee double of Lee	•							X	1
The comparative				Х	Х		Х	X	1
	Management of tendon, ligament and nerve injuries			Х	Х		Х	X	1
1 2	Non-operative								
March Marc	Orthoses		Х				Х	Х	1,3
Completations	Rehabilitation of the hip		Х				Х	Х	1,3
Table at thropolary and soft bisses surgery	· · · · · · · · · · · · · · · · · · ·								,-
SPRINE SPRINE	·		v				V	V	1
Basis Steiner Regional) Anatomy Development of the spine, pinnal cord and never roots Anatomy Development of the spine, pinnal cord and never roots Anatomy and principles disagnish approaches, anterior and posterior at each level and endoscopic access Physiology Physiology of more function affecting the spinal cord and emerging nerves Physiology of more function affecting the spinal cord and emerging nerves Physiology of more function affecting the spinal cord and emerging nerves Physiology of more function affecting the spinal cord and emerging nerves Physiology Physiology of the spinal access and expenditures Physiology of the spinal access and expenditures Physiology of the spinal december of	I alled altill opiasty and soft tissue surgery						^	^	+ +
Basis Steiner Regional) Anatomy Development of the spine, pinnal cord and never roots Anatomy Development of the spine, pinnal cord and never roots Anatomy and principles disagnish approaches, anterior and posterior at each level and endoscopic access Physiology Physiology of more function affecting the spinal cord and emerging nerves Physiology of more function affecting the spinal cord and emerging nerves Physiology of more function affecting the spinal cord and emerging nerves Physiology of more function affecting the spinal cord and emerging nerves Physiology Physiology of the spinal access and expenditures Physiology of the spinal access and expenditures Physiology of the spinal december of	2200-								
Anatoniny development of the spine, spinal cord and nerve roots		CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
Development of the spines, spinul cord and nerve roots anterior or a certain or at section of a certain of the spine anterior of a certain of the spine and developed and production of a certain of the spine of the	Basic Science (Regional)								
Areatomy and principles of sangkral approaches, anterior and posterior at each level and endoscopic acrees X	Anatomy								
Physiology of nerve function affecting the spinal core and emerging nerves X	Development of the spine, spinal cord and nerve roots		Х				X	Х	1
Physiology of nerve function affecting the spinal core and emerging nerves X	Anatomy and principles of surgical approaches: anterior and posterior at each level and endoscopic access		Х	Х	Х		Х	X	1
Physiology of nerve function affecting the spinal actor and emerging nerves parthology Parthology The aging pairs and disponentive discusse The aging pairs and disponentive discusses The aging pairs and aging pairs and aging pairs and aging pairs and aging pairs	·								
Physiology of nerve function affecting the spinal actor and emerging nerves parthology Parthology The aging pairs and disponentive discusse The aging pairs and disponentive discusses The aging pairs and aging pairs and aging pairs and aging pairs and aging pairs	Physiology								
Spinal tokok and associated secondary problems X			Х				х	Х	1,3
Pathology The aging spine and degenerative disease Thuracia conditions affecting the spine Thuracia conditions causing deformity around the spine e.g. scoliosis and kyphosis Thuracia conditions causing deformity around the spine e.g. scoliosis and kyphosis Thuracia conditions causing deformity around the spine e.g. scoliosis and kyphosis Thuracia conditions causing deformity around the spine e.g. scoliosis and kyphosis Thuracia conditions causing deformity around the spine e.g. scoliosis and kyphosis Thuracia conditions causing deformity around the spine e.g. scoliosis and kyphosis Thuracia conditions causing deformity around the spine e.g. scoliosis and kyphosis Thuracia conditions causing deformity around the spine e.g. scoliosis and kyphosis Thuracia conditions causing deformity around the spine e.g. scoliosis and kyphosis Thuracia conditions Thuracia conditions causing deformity around the spine e.g. scoliosis and kyphosis Thuracia conditions causing deformity and environs prine conditions Thuracia conditions Thuracia conditions causing referred complications Thuracia conditions causing referred complications Thuracia conditions Thuracia conditions causing referred conditions Thuracia conditions causing referred conditions Thuracia conditions Thuracia co									
The aging spine and degenerative disease X	Spirial Shock and associated secondary problems		_ ^				^	^	1,3
The aging spine and degenerative disease X									1
Acture and chronic infections of the spine X	ş.								1
Metabolic conditions affecting the spine		Х	Х				Х	Х	1
Neurological conditions affecting the spine X	'	Х	Х				Х	X	1
Therate cutest syndrome	Metabolic conditions affecting the spine	Х	Х				X	X	1
Deformity Causes of the acutely painful back, including referred pain e.g. acute or olapsed disc Causes of the acutely painful back, including referred pain e.g. acute or olapsed disc Causes of the acutely painful back, including referred pain e.g. acute or olapsed disc X X CC X X CC X X X X X X X X X X X X	Neurological conditions affecting the spine	Х	Х				Х	Х	1
Deformity Congenital and acquired conditions causing deformity around the spine e.g. scoliosis and hyphosis A X X C X X X X X X X X X X X X X X X X		Х	Х				Х	Х	1
Palin Congenital and acquired conditions causing deformity around the spine e.g. scollosis and kyphosis									
Pain Causes of the acutely painful back, including referred pain e.g. acute prolapsed disc X X XCC X X X X X X 1.3 Neoplasia Neo	,	Х	Х				X	X	1
A SCC	congenital and acquired conditions causing actornity around the spine e.g. sconosis and kypnosis						Λ	X	+ -
A SCC	Delia.								1
Neoplasia Primary and secondary tumours of the spine Biomechanics & Biomaterials Biomechanics & Biomaterials Biomechanics of the cervical and lumbar spine Spinal instability as applied to trauma, tumour, infection and spondylolysis/listhesis X			V 66					, , , , , , , , , , , , , , , , , , ,	1.2
Biomechanics & Biomaterials Biomechanics of the cervical and lumbar spine Biomechanics of the cervical and lumbar spine Biomechanics of the cervical and lumbar spine Spinal instability as applied to trauma, tumour, infection and spondylolysis/listhesis X	Causes of the acutely painful back, including referred pain e.g. acute prolapsed disc	X	XCC				X	Х	1,3
Biomechanics & Biomaterials Biomechanics of the cervical and lumbar spine Biomechanics of the cervical and lumbar spine Biomechanics of the cervical and lumbar spine Spinal instability as applied to trauma, tumour, infection and spondylolysis/listhesis X									
Blomechanics & Biomaterials Blomechanics of the cervical and lumbar spine Spinal instability as applied to trauma, tumour, infection and spondylolysis/listhesis X X X X X 1 Spinal deformity X X X X X X 1 Spinal distrainty X X X X X X X X X X X X X X X X X X X	·								
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Blomechanics of the cervical and lumbar spine Spinal instability as applied to trauma, tumour, infection and spondylolysis/listhesis X									
Spinal instability as applied to trauma, tumour, infection and spondylolysis/listhesis X	Biomechanics & Biomaterials								
Spinal instability as applied to trauma, tumour, infection and spondylolysis/listhesis X	Biomechanics of the cervical and lumbar spine		Х				Х	Х	1
Spinal deformity Spinal instrumentation and internal fixation devices X X X X X X X X X X X X X X X X X X X	Spinal instability as applied to trauma, tumour, infection and spondylolysis/listhesis		Х				Х	Х	1
Spinal Instrumentation and internal fixation devices			Х						1
Use of spinal bracing X					X				+
Investigations Radiological investigations (and their interpretation) used to assess common spine conditions Radiological investigations (and their interpretation) used to assess common spine conditions X				~					+
Radiological investigations (and their interpretation) used to assess common spine conditions Role of diagnostic and therapeutic injections X X X X X 1,3 Blood tests Rediction (and injections) Role of diagnostic and therapeutic injections X X X X X 1,3 Recording including routes and complications X X X X X X 1,3 Recording including cord monitoring) X X X X X X X 1,3 Critical Conditions Cauda equina syndrome Spinal trauma - assessment, immediate care and appropriate referral X X CC X X X X 1 Infections e.g. tuberculosis Important complications of inflammatory spinal conditions - rheumatoid instability and ankylosing spondylitis X X CC X X X X 1 Metastatic spinal cord compression X X CC X X X X 1 The painful spine in the child X X CC X X X X 1 Assessments History and examination of the painful and injured spine including special clinical tests Examinations of conditions causing referred symptoms to the spine (e.g. renal pain) X X X X X X X X X X X X X X X X X X X	Ose of spirial bracing		^	^			^	^	1,3
Radiological investigations (and their interpretation) used to assess common spine conditions Role of diagnostic and therapeutic injections X X X X X 1,3 Blood tests Rediction (and injections) Role of diagnostic and therapeutic injections X X X X X 1,3 Recording including routes and complications X X X X X X 1,3 Recording including cord monitoring) X X X X X X X 1,3 Critical Conditions Cauda equina syndrome Spinal trauma - assessment, immediate care and appropriate referral X X CC X X X X 1 Infections e.g. tuberculosis Important complications of inflammatory spinal conditions - rheumatoid instability and ankylosing spondylitis X X CC X X X X 1 Metastatic spinal cord compression X X CC X X X X 1 The painful spine in the child X X CC X X X X 1 Assessments History and examination of the painful and injured spine including special clinical tests Examinations of conditions causing referred symptoms to the spine (e.g. renal pain) X X X X X X X X X X X X X X X X X X X									1
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Role of biopsy including routes and complications X									1,3
Blood tests X	, ,								1,3
Electrophysiological studies (including cord monitoring) X	Role of biopsy including routes and complications		Х				Х	Х	1,3
Critical Conditions Cauda equina syndrome X XCC X X X 1 Infections e.g. tuberculosis Important complications of inflammatory spinal conditions - rheumatoid instability and ankylosing spondylitis X XCC X X X 1 Important complications of inflammatory spinal conditions - rheumatoid instability and ankylosing spondylitis X XCC X X X 1 Important complications of inflammatory spinal conditions - rheumatoid instability and ankylosing spondylitis X XCC X X X 1 Infections e.g. tuberculosis X XCC X X X X X X X X X X X X X X X X	Blood tests		Х				X	Х	1,3
Cauda equina syndrome X XCC	Electrophysiological studies (including cord monitoring)		Х				X	X	1,3
Cauda equina syndrome X XCC									
Cauda equina syndrome X XCC	Critical Conditions								
Spinal trauma - assessment, immediate care and appropriate referral X XCC X X X Infections e.g. tuberculosis X XCC X X X Important complications of inflammatory spinal conditions - rheumatoid instability and ankylosing spondylitis X XCC X X X Important complications of inflammatory spinal conditions - rheumatoid instability and ankylosing spondylitis X XCC X X X Infections e.g. tuberculosis X XCC X X X X X X X X X X X X X		Х	X CC				Х	Х	1
Infections e.g. tuberculosis X XCC X XCC X X X 1 Important complications of inflammatory spinal conditions - rheumatoid instability and ankylosing spondylitis X XCC X X X X X X X X X X X X X X X X	· · ·								+
Important complications of inflammatory spinal conditions - rheumatoid instability and ankylosing spondylitis X X CC X X X X 1 The painful spine in the child X X CC X X X X 1 The painful spine in the child X X CC X X X X 1 The painful spine in the child X X CC X X X X 1 The painful spine in the child X X CC X X X X 1 The painful spine in the child X X CC X X X X X X X X X X X X X X X									+
Metastatic spinal cord compression X XCC X XCC X X X 1 The painful spine in the child X XCC X X X X 1 1,3 Assessments History and examination of the painful and injured spine including special clinical tests X X X X X X X X X 1,3 Examinations of conditions causing referred symptoms to the spine (e.g. renal pain) X X X X X X X X X X X 1,3 Recognition of somatisation X X X X X X X X X X X X X 1,3 Assessment of patients after failed spinal surgery for deformity and reconstruction for non-degenerative disease X X X X X X X X X X X X X X X X X X X	-								+
The painful spine in the child									+
Assessments History and examination of the painful and injured spine including special clinical tests X X X X X X X X X X X X X X X X X X X									-
History and examination of the painful and injured spine including special clinical tests Examinations of conditions causing referred symptoms to the spine (e.g. renal pain) Recognition of somatisation Assessment of patients after failed spinal surgery for deformity and reconstruction for non-degenerative disease Treatments Operative Indications, options and complications of instability of the spine Indications, options and complications of instability of the spine Principles of management of deformity of the spine Trinciples of management of deformity of the spine X X X X X X X X X X X X X X X X X X X	The painful spine in the child	Х	X CC				Х	Х	1,3
History and examination of the painful and injured spine including special clinical tests Examinations of conditions causing referred symptoms to the spine (e.g. renal pain) Recognition of somatisation Assessment of patients after failed spinal surgery for deformity and reconstruction for non-degenerative disease Treatments Operative Indications, options and complications of instability of the spine Indications, options and complications of instability of the spine Principles of management of deformity of the spine Trinciples of management of deformity of the spine X X X X X X X X X X X X X X X X X X X									
Examinations of conditions causing referred symptoms to the spine (e.g. renal pain) Recognition of somatisation Assessment of patients after failed spinal surgery for deformity and reconstruction for non-degenerative disease Treatments Operative Indications, options and complications of instability of the spine Principles of management of tumours around the spine Principles of management of deformity of the spine X X X X X X X X X X X X X X X X X X X	Assessments								
Examinations of conditions causing referred symptoms to the spine (e.g. renal pain) Recognition of somatisation Assessment of patients after failed spinal surgery for deformity and reconstruction for non-degenerative disease Treatments Operative Indications, options and complications of instability of the spine Principles of management of tumours around the spine Principles of management of deformity of the spine X X X X X X X X X X X X X X X X X X X	History and examination of the painful and injured spine including special clinical tests	Х	Х	<u> </u>		<u> </u>	X	X	1,3
Recognition of somatisation Assessment of patients after failed spinal surgery for deformity and reconstruction for non-degenerative disease Treatments Operative Indications, options and complications for compressive conditions Indications, options and complications of instability of the spine Principles of management of tumours around the spine Principles of management of deformity of the spine X X X X X X X X X X X X X X X X X X X	Examinations of conditions causing referred symptoms to the spine (e.g. renal pain)	Х	Х				Х	Х	1,3
Assessment of patients after failed spinal surgery for deformity and reconstruction for non-degenerative disease X X X X X X X X X X X X X X X X X X X									1,3
Treatments Operative Indications, options and complications for compressive conditions Indications, options and complications of instability of the spine Principles of management of tumours around the spine Principles of management of deformity of the spine X X X X X X X X X X X X X X X X X X X									1,3
Operative Name of the spine	- sesses. Or pasients area railed spinar surgery for actornity and reconstruction for non-acgenerative disease		<u> </u>				^	^	1,3
Operative Name of the spine	Treatments								+
Indications, options and complications for compressive conditions Indications, options and complications of instability of the spine Principles of management of tumours around the spine Principles of management of deformity of the spine X X X X X X X X X X X X X X X X X X X									
Indications, options and complications of instability of the spine Principles of management of tumours around the spine Principles of management of deformity of the spine X X X X X X X X X X X X 1									
Principles of management of tumours around the spine X X X X 1 Principles of management of deformity of the spine X X X X X 1									1
Principles of management of deformity of the spine X X X X 1	Indications, options and complications of instability of the spine							Х	1
	Principles of management of tumours around the spine		Х		Х		Х	Х	1
	Principles of management of deformity of the spine		Х		Х		Х	X	1
rinicipies of the application of spinal practing X X X X X X X X X	Principles of the application of spinal bracing		Х	Х	Х		Х	Х	1
	· · · · · ·							İ	

Non operative								
Non-operative treatment of disorders ,such as low back pain, sciatica		Х				Х	Х	1,3
Management of spinal fractures e.g. osteoporotic fractures, traumatic injuries		Х				Х	Х	1
Principles of interventional radiology in the management of spinal problems		Х				Х	Х	1,3
Initial and ward care of the paralysed patient	X	Х				X	Х	1,3
Complications								
Management of failed spinal surgery		Х		Χ		Х	Х	1,3,4
Management of consequences of delayed surgery		Х		Х		Х	Х	1,3,4
	·							
HAND	CEV	CDD	DODG	DDA	BACE	ICD Cookiess 1	ICD Cookies 2	CNAD

HAND	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
Basic Science (Regional)								
Anatomy								
Anatomy of the wrist and hand region and related structures		Χ				Х	Х	1
Surgical approaches in the hand and wrist and arthroscopic access		Χ	Х	Χ		Х	Х	1
Physiology								
Physiology of nerve function around the hand		Χ				Х	Х	1
Pathology								
Inflammatory, degenerative and infective conditions of the hand and wrist		Χ				Х	Х	1
Dupuytren's disease		Χ				Х	Х	1
Deformity								
Acquired and developmental deformity around the hand and wrist	Х	Χ				Х	Х	1
Pain								
The painful hand and wrist	Х	Χ				Х	Х	1
Biomechanics & Biomaterials								
Biomechanics of the hand and wrist		Χ				Х	X	1
Biomechanics of hand and wrist arthroplasty		Χ		Χ		Х	Х	1
Investigations								
Radiological investigations to assess the hand and wrist		Χ				Х	Х	1,3
Neurophysiology of the hand and wrist		Χ				Х	Х	1,3
Diagnostic and guided injections		Χ	Х			Х	Х	1,3
Examination under anaesthetic and arthroscopy		Χ	Χ	Χ		Х	Х	1,3
Critical Conditions								
Compartment syndrome	Х	X CC	Χ	Χ		X	X	1
Assessments								
History and examination of the hand and wrist including special clinical tests	Х	Χ				Х	X	1,3
Treatments								
Operative								
Prosthetic replacement in the hand and wrist			Х	Χ		Х	X	1
Excision arthroplasty in the hand and wrist			Χ	Χ		Х	Х	1
Arthroscopy of the hand and wrist			Х	Χ		Х	X	1
Arthrodesis in hand and wrist			Х	Χ		Х	X	1
Entrapment neuropathies			Χ	Χ		Х	X	1
The rheumatoid hand and wrist			Х	Χ		Х	X	1
The congenital hand			Х	Χ		Х	X	1
Dupuytren's disease			Χ	Χ		Х	Х	1
Tendon transfers			Χ	Χ		Х	Х	1
Non operative								
Rehabilitation of the hand and wrist		Χ				Х	Х	1,3
Orthoses		Χ				Х	Х	1,3
Complications								
Failed arthroplasty and soft tissue surgery		Χ				Х	Х	1

ELBOW	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
Basic Science (Regional)								
Anatomy								
Anatomy of the elbow region and related structures		Х				X	Х	1
Surgical approaches to the elbow and arthroscopic access		Х	Χ	Χ		X	Х	1
Physiology								
Physiology of nerve function around the elbow		Х				Х	Х	1
Pathology								<u> </u>
Compressive neurological problems around the elbow		Х				Х	Х	1
Instability around the elbow		Х				X	Х	1
Inflammatory, degenerative and infective conditions of the elbow		Х				X	Х	1
Causes of elbow stiffness		Х				Х	Х	1
Deformity		+						+
Acquired and developmental deformity around the elbow	Х	Х				Х	Х	1
Pain								
The painful elbow	Х	Х				Х	Х	1
		ı	I					

		ı						1
Biomechanics & Biomaterials								
Biomechanics of the elbow		Х				X	Х	1
Biomechanics of elbow arthroplasty		Х	Х	Х		Х	Х	1
Investigations								
Radiological investigations to assess the elbow		Х				Х	Х	1,3
Diagnostic and guided injections		Х	Х				Х	1,3
Examination under anaesthetic and arthroscopy	+	Х	X	Х			X	1,3
	+							_
Neurophysiology in elbow disorders	 	Х				Х	Х	1,3
Assessments								
History and examination of the elbow including special clinical tests	Х	Х				Х	Х	1,3
Treatments								
Operative								
Arthroplasty of the elbow	$\vdash \vdash$		Х	Х		Х	Х	1
	+							+
Arthroscopy of the elbow			X	X		X	X	1
Ligamentous instability			Х	Χ		X	Х	1
Entrapment neuropathy			Х	Х		Х	X	1
Degenerative and inflammatory arthritis			Х	Χ		Χ	X	1
Soft tissue conditions			Х	Х		Х	Х	1
The rheumatoid elbow			Χ	Х		Х	Х	1
	+							
Non operative	+						1	
Non operative	 	.,						1.
Rehabilitation of the elbow		Х				X	X	1,3
Orthoses	_	Х				Х	Х	1,3
				<u> </u>	<u> </u>			
Complications								
Management of the failed arthroplasty and soft tissue surgery		Х				Х	Х	1
		· ·			ī l		•	<u> </u>
SHOULDER	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
	CEX	СВО	DOP3	PDA	IVISF	ISB Section 1	ISB Section 2	GIVIP
Basic Science (Regional)								-
Anatomy								
Anatomy of the shoulder girdle and related structures		Х				Х	Х	1
Surgical approaches to the shoulder girdle including arthroscopic access		Х	Х	Χ		Χ	X	1
Physiology								
Physiology of nerve function around the shoulder	\vdash	Х				Х	Х	1
Thysiology of herve function around the shoulder	 					Λ	Λ	
Pathology								
	-							
Impingement and rotator cuff disorders		Х				X	X	1
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder		X				X X	X X	1 1
Impingement and rotator cuff disorders								+
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder		Х				Χ	Х	1
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle		X				X X	X X	1
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness		X				X X	X X	1
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity		X X X				X X X	X X X	1 1 1
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness	X	X				X X	X X	1
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder	X	X X X				X X X	X X X	1 1 1
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain	X	X X X				X X X	X X X	1 1 1
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder	X	X X X				X X X	X X X	1 1 1
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain		X X X				X X X	X X X	1 1 1
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain		X X X				X X X	X X X	1 1 1
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials		X X X				X X X	X X X	1 1 1 1
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle		X X X	Y			X X X	X X X X	1 1 1 1 1
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials		X X X	X	X		X X X	X X X	1 1 1 1
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty		X X X	X	x		X X X	X X X X	1 1 1 1 1
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations		X X X	X	X		X X X	X X X X X X X	1 1 1 1 1
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder		X X X X		x		X X X X	X X X X X X X X X	1 1 1 1 1 1 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections		X X X	X	X		X X X	X X X X X X X	1 1 1 1 1
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder		X X X X		X		X X X X	X X X X X X X X X	1 1 1 1 1 1 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections		X X X X X X	X			X X X X X	X X X X X X X X X X	1 1 1 1 1 1 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy		X X X X X X X	X			X X X X X X	X X X X X X X X X X X	1 1 1 1 1 1 1 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders		X X X X X X X	X			X X X X X X	X X X X X X X X X X X	1 1 1 1 1 1 1 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Assessments	X	X X X X X X X	X			X X X X X X X	X X X X X X X X X X	1 1 1 1 1 1 1 1,3 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Assessments History and examination of the shoulder girdle, including special clinical tests	X	X X X X X X X X	X			X X X X X X X	X X X X X X X X X X X X X X X X X X X	1 1 1 1 1 1 1 1,3 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Assessments	X	X X X X X X X	X			X X X X X X X	X X X X X X X X X X	1 1 1 1 1 1 1 1,3 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders History and examination of the shoulder girdle, including special clinical tests Examination of the brachial plexus	X	X X X X X X X X	X			X X X X X X X	X X X X X X X X X X X X X X X X X X X	1 1 1 1 1 1 1 1,3 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Assessments History and examination of the shoulder girdle, including special clinical tests	X	X X X X X X X X	X			X X X X X X X	X X X X X X X X X X X X X X X X X X X	1 1 1 1 1 1 1 1,3 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Assessments History and examination of the shoulder girdle, including special clinical tests Examination of the brachial plexus	X	X X X X X X X X	X			X X X X X X X	X X X X X X X X X X X X X X X X X X X	1 1 1 1 1 1 1 1,3 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Assessments History and examination of the shoulder girdle, including special clinical tests Examination of the brachial plexus Treatments	X	X X X X X X X X	X			X X X X X X X	X X X X X X X X X X X X X X X X X X X	1 1 1 1 1 1 1 1,3 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Assessments History and examination of the shoulder girdle, including special clinical tests Examination of the brachial plexus Treatments Operative Arthroplasty of the shoulder	X	X X X X X X X X	XXX	X		X X X X X X X X	X X X X X X X X X X X X X X X X X X X	1 1 1 1 1 1 1 1 1,3 1,3 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Assessments History and examination of the shoulder girdle, including special clinical tests Examination of the brachial plexus Treatments Operative Arthroplasty of the shoulder Arthroplasty of the shoulder	X	X X X X X X X X	X X X	X		X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	1 1 1 1 1 1 1 1,3 1,3 1,3 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Assessments History and examination of the shoulder girdle, including special clinical tests Examination of the brachial plexus Treatments Operative Arthroscopy of the shoulder Arthroscopy of the shoulder Arthroscopy of the shoulder Soft tissue disorders of the shoulder girdle	X	X X X X X X X X	X X X X X X	X X X		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	1 1 1 1 1 1 1 1 1,3 1,3 1,3 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Assessments History and examination of the shoulder girdle, including special clinical tests Examination of the brachial plexus Treatments Operative Arthroscopy of the shoulder Arthroscopy of the shoulder Arthroscopy of the shoulder girdle Arthroscopy of the shoulder shoulder girdle Arthrodesis, osteotomy and excision arthroplasty	X	X X X X X X X X	X X X X X	x		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	1 1 1 1 1 1 1 1 1,3 1,3 1,3 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Assessments History and examination of the shoulder girdle, including special clinical tests Examination of the brachial plexus Treatments Operative Arthroscopy of the shoulder Arthroscopy of the shoulder Arthroscopy of the shoulder Soft tissue disorders of the shoulder girdle	X	X X X X X X X X	X X X X X X	X X X		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	1 1 1 1 1 1 1 1 1,3 1,3 1,3 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Assessments History and examination of the shoulder girdle, including special clinical tests Examination of the brachial plexus Treatments Operative Arthroscopy of the shoulder Arthroscopy of the shoulder Soft tissue disorders of the shoulder girdle Arthrodesis, osteotomy and excision arthroplasty Reconstructive surgery for brachial plexus and other neurological disorders	X	X X X X X X X X	X X X X X	x		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	1 1 1 1 1 1 1 1 1,3 1,3 1,3 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Assessments History and examination of the shoulder girdle, including special clinical tests Examination of the brachial plexus Treatments Operative Arthroscopy of the shoulder Arthroscopy of the shoulder Arthroscopy of the shoulder girdle Arthroscopy of the shoulder shoulder girdle Arthrodesis, osteotomy and excision arthroplasty	X	X X X X X X X X	X X X X X	x		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	1 1 1 1 1 1 1 1 1,3 1,3 1,3 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Assessments History and examination of the shoulder girdle, including special clinical tests Examination of the brachial plexus Treatments Operative Arthroscopy of the shoulder Arthroscopy of the shoulder Soft tissue disorders of the shoulder girdle Arthrodesis, osteotomy and excision arthroplasty Reconstructive surgery for brachial plexus and other neurological disorders	X	X X X X X X X X	X X X X X	x		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	1 1 1 1 1 1 1 1 1,3 1,3 1,3 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Assessments History and examination of the shoulder girdle, including special clinical tests Examination of the brachial plexus Treatments Operative Arthroplasty of the shoulder Arthroscopy of the shoulder Arthroscopy of the shoulder Arthroscopy of the shoulder Arthroscopy of the shoulder Rehabilitation of the shoulder	X	X X X X X X X X X	X X X X X	x		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	1 1 1 1 1 1 1 1 1,3 1,3 1,3 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Assessments History and examination of the shoulder girdle, including special clinical tests Examination of the brachial plexus Treatments Operative Arthroplasty of the shoulder Soft tissue disorders of the shoulder girdle Arthrodesis, osteotomy and excision arthroplasty Reconstructive surgery for brachial plexus and other neurological disorders Non operative	X	X X X X X X X X	X X X X X	x		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	1 1 1 1 1 1 1 1 1,3 1,3 1,3 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Assessments History and examination of the shoulder girdle, including special clinical tests Examination of the brachial plexus Treatments Operative Arthroscopy of the shoulder Arthroscopy of the shoulder Arthroscopy of the shoulder Soft tissue disorders of the shoulder girdle Arthrodesis, osteotomy and excision arthroplasty Reconstructive surgery for brachial plexus and other neurological disorders Non operative Rehabilitation of the shoulder Orthoses	X	X X X X X X X X X	X X X X X	x		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	1 1 1 1 1 1 1 1 1,3 1,3 1,3 1,3 1,3 1,3
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Assessments History and examination of the shoulder girdle, including special clinical tests Examination of the brachial plexus Treatments Operative Arthroplasty of the shoulder Arthropsty of the shoulder Arthroscopy of the shoulder Arthroscopy of the shoulder Arthroscopy of the shoulder Rehabilitation of the shoulder girdle Rehabilitation of the shoulder Rehabilitation of the shoulder Rehabilitation of the shoulder Orthoses Complications	X	X X X X X X X X X	X X X X X	x		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	1 1 1 1 1 1 1 1 1 1,3 1,3 1,3 1,3 1,3 1,
Impingement and rotator cuff disorders Instability and labral pathology of the shoulder Inflammatory, degenerative and infective conditions of the shoulder girdle Shoulder stiffness Deformity Acquired and developmental deformity around the shoulder Pain The painful shoulder Biomechanics & Biomaterials Biomechanics of the shoulder girdle Biomechanics of shoulder arthroplasty Investigations Radiological investigations to assess the shoulder Diagnostic and guided injections Examination under anaesthetic and arthroscopy Neurophysiology in shoulder and brachial plexus disorders Examination of the brachial plexus Treatments Operative Arthroscopy of the shoulder Arthroscopy of the shoulder Arthroscopy of the shoulder Soft tissue disorders of the shoulder Arthroscopy of the shoulder Arthroscopy of the shoulder Soft tissue disorders of the shoulder Soft tissue disorders of the shoulder girdle Arthrodesis, osteotomy and excision arthroplasty Reconstructive surgery for brachial plexus and other neurological disorders Non operative Rechabilitation of the shoulder Orthoses	X	X X X X X X X X X	X X X X X	x		X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	1 1 1 1 1 1 1 1,3 1,3 1,3 1,3 1,3 1,3 1,

TRAUMA	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
Basic Science (Regional)								
Anatomy								
Regional anatomy for trauma		Χ				Х	Х	1
Surgical approaches for bone and soft tissue injuries		Χ	Χ	Χ		Х	Х	1

Assessment of the big for about	1	. v	٧/	\ \ \				
Approaches for hip fractures Approaches for ankle fractures		X	X	X		X	X	1
Approaches for alikie fractures		^	^	^		^	^	1
Physiology								
Physiological response to trauma		X CC				Х	Х	1
Pathology								
Delayed and non-union		Х				Х	Х	1
Fractures in abnormal bone		Χ				Х	Х	1
Deformity								
Mal-union of fractures		Χ				Х	Х	1
Pain								
Pain relief in trauma patients		Χ				Х	Х	1,3
Biomechanics & Biomaterials								
Principles of open reduction and internal fixation/external fixation of fractures		Χ	Х	Χ		Х	Х	1
Splintage and traction		Х	Х			Х	Х	1
Principles of casting		Х	Х			Х	Х	1
Investigations								
Radiological investigations to assess the injured patient		Х				Х	Х	1,3
Critical Conditions	.,	V 65	.,	.,				
Compartment syndrome	X	X CC	X	Х		X	X	1
Neurovascular injuries Rhysiological response to troums	X	X CC	Х			X	X	1
Physiological response to trauma	Х	X CC				Х	Х	1
Assassments								1
Assessments Initial clinical assessment of the injured patient		Х				Х	X	1 2
Priorities of treatment and identification of life/limb-threatening injuries	X	X				X	X	1,3 1,3
r nondes of deadness and identification of file/filmb-diffeatening injuries	^	^				٨	٨	1,3
Treatments								
The trauma team		Х			Х	Х	Х	1,3
The trauma team		^				Λ	Λ	1,3
Operative	1							
Fracture management (closed, open and pathological)			Х	Х		Х	Х	1
Soft tissue management			X	X		X	X	1
Amputation			X	Х		X	X	1
7 Impactation								+ -
Non operative								
Non-operative management of fractures		Х	Х			Х	Х	1
							Λ	
		Х				Х	X	
Rehabilitation of the injured patient			, <u>, , , , , , , , , , , , , , , , , , </u>					1,3
Rehabilitation of the injured patient								
Rehabilitation of the injured patient Complications			X	X				
Rehabilitation of the injured patient		X		X		Х	X	1,3
Rehabilitation of the injured patient Complications		X		Х		Х	X	1,3
Rehabilitation of the injured patient Complications Reconstructive surgery in non-unions/mal-unions		X		Х		Х	X	1,3
Rehabilitation of the injured patient Complications Reconstructive surgery in non-unions/mal-unions Specific fracture areas	X	X		X		Х	X	1,3
Rehabilitation of the injured patient Complications Reconstructive surgery in non-unions/mal-unions Specific fracture areas Spine	X	X	Х	X		X	X	1,3
Rehabilitation of the injured patient Complications Reconstructive surgery in non-unions/mal-unions Specific fracture areas Spine The acute fracture and dislocation Spinal shock and cord syndromes		X	Х			X	X	1,3
Rehabilitation of the injured patient Complications Reconstructive surgery in non-unions/mal-unions Specific fracture areas Spine The acute fracture and dislocation Spinal shock and cord syndromes Pelvis	Х	X X X	X	X		X X X	X X X	1,3
Rehabilitation of the injured patient Complications Reconstructive surgery in non-unions/mal-unions Specific fracture areas Spine The acute fracture and dislocation Spinal shock and cord syndromes Pelvis Pelvic/acetabular fracture stabilisation	X	X X X X	Х	X		X X X X	X X X X	1,3
Rehabilitation of the injured patient Complications Reconstructive surgery in non-unions/mal-unions Specific fracture areas Spine The acute fracture and dislocation Spinal shock and cord syndromes Pelvis	Х	X X X	X	X		X X X	X X X	1,3
Rehabilitation of the injured patient Complications Reconstructive surgery in non-unions/mal-unions Specific fracture areas Spine The acute fracture and dislocation Spinal shock and cord syndromes Pelvis Pelvic/acetabular fracture stabilisation Recognition of visceral/neurovascular damage	X	X X X X	X	X		X X X X	X X X X	1,3
Rehabilitation of the injured patient Complications Reconstructive surgery in non-unions/mal-unions Specific fracture areas Spine The acute fracture and dislocation Spinal shock and cord syndromes Pelvis Pelvis Pelvic/acetabular fracture stabilisation Recognition of visceral/neurovascular damage Shoulder	X X X	X X X X X CC	X	X X X		X X X X X	X X X X X	1,3 1 1 1 1 1 1,3
Rehabilitation of the injured patient Complications Reconstructive surgery in non-unions/mal-unions Specific fracture areas Spine The acute fracture and dislocation Spinal shock and cord syndromes Pelvis Pelvic/acetabular fracture stabilisation Recognition of visceral/neurovascular damage Shoulder Clavicle fractures	X X X	X X X X X X X X X X X X X X X X X X X	X X X	X X X		X X X X X	X X X X X	1,3 1 1 1 1 1,3
Rehabilitation of the injured patient Complications Reconstructive surgery in non-unions/mal-unions Specific fracture areas Spine The acute fracture and dislocation Spinal shock and cord syndromes Pelvis Pelvic/acetabular fracture stabilisation Recognition of visceral/neurovascular damage Shoulder Clavicle fractures Proximal humeral fractures	X X X	X X X X X X X X X X X X X X	X	X X X		X X X X X X X	X X X X X X X	1,3 1 1 1 1 1,3
Rehabilitation of the injured patient Complications Reconstructive surgery in non-unions/mal-unions Specific fracture areas Spine The acute fracture and dislocation Spinal shock and cord syndromes Pelvis Pelvic/acetabular fracture stabilisation Recognition of visceral/neurovascular damage Shoulder Clavicle fractures Proximal humeral fractures The dislocated shoulder	X X X X	X X X X X CC X CC X X	X X X X X X	X X X X		X X X X X X X X	X X X X X X X X X	1,3 1 1 1 1 1 1 1 1 1 1 1 1 1
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Knee and lower leg							
Periarticular fractures around the knee	Х	Х	Х	Х	Х	Х	1
Tibial shaft fractures	Х	Х	Х	Χ	Х	Х	1
Ankle							
Periarticular fractures around the ankle	Х	Χ	Х	Х	X	X	1
Weber B ankle fractures	Х	Χ	Χ	Χ	X	Х	1
Foot							
Hindfoot injuries	Х	Χ	Х	Χ	X	Х	1
Midfoot injuries	Х	Χ	Х	Χ	X	Х	1
Forefoot injuries	Х	Χ	Χ	Χ	X	Х	1
The crushed foot	Х	Χ	Χ	Χ	X	Х	1,3
Peri-prosthetic fractures		·					
Management of fractures around prostheses and implants	Х	X	Х	Х	Х	Х	1

PAEDIATRIC ORTHOPAEDIC SURGERY	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
Basic Science	CLX	CDD	D 013	TDA	10.51	iob occion 1	iob occion 2	O.V.II
Anatomy								1
Growth of bones, physeal anatomy and its application to fracture types and pathological processes and infection in particular		Х				Х	Х	1
Anatomy of bones and joints in the growing child and its application to growth and deformity		Х				Х	X	1
Neurological processes involved in the production of deformity e.g. spina bifida, cerebral palsy and muscular dystrophy		Х				Х	Х	1
- State process and the process of t								
Clinical Assessment								
History and examination of the child	Χ	Х				Х	X	1,3
Involving the parents in the assessment	Χ	Х				X	X	1,3,4
Assessing the disabled child	Χ	Х				X	X	1,3,4
Normal variants	Χ	Х				X	X	1,3,4
Investigations								
Indications for plain x-ray, arthrogram, CT, MRI and the how to interpret the images		Х				Х	Х	1,3
Indications for the use of ultrasound and nuclear imaging		Х				Х	Х	1,3
Limitations of investigations in paediatric practice		Х				X	X	1
Critical Conditions								
The painful hip in a child	Χ	X CC	Χ			Х	Х	1
Treatment								
Operative								
Fractures (including non-accidental injury) and growth plate injuries and their sequelae	Χ	Х	Χ	Χ		Х	X	1
Bone and joint infection	Χ	Х	Χ	Χ		Х	Х	1
Common childhood orthopaedic conditions, e.g. irritable hip, anterior knee pain	Χ	Х		Χ		X	X	1
Slipped epiphysis	Χ	Х	Χ	Χ		X	X	1
Perthes' disease	Χ	Х	Χ	Χ		Х	Х	1
Developmental dysplasia of the hip	Χ	Х	Χ	Χ		Х	Х	1
Talipes	Χ	Х	Χ	Χ		Х	Х	1
Scoliosis	Χ	Х	Χ	Χ		X	X	1
Forefoot deformities	Χ	Х	Χ	Χ		X	X	1
Congenital hand abnormalities	Χ	Х	Χ	Χ		X	X	1
Osteogenesis imperfecta	Χ	Х	Χ	Χ		X	Х	1
Skeletal dysplasias	Χ	Х	Χ	Χ		Х	Х	1
Tarsal coalitions	Χ	Х	Χ	Х		Х	X	1
Torticollis	Χ	Х	Χ	Χ		Х	X	1
Leg length discrepancy	Х	Х	Х	Х		Х	Х	1
No. 1 and 1								
Non-operative The tracture and of providing to each large of the fact for each enterprise.								1.2
The treatment of normal variants such knock knees, flat feet, femoral anteversion	X	X				X	X	1,3
Orthoses Debabilitation of the abild	X	X				X	X	1,3
Rehabilitation of the child	X	X				X	X	1,3
Determining physical disability	X	X				X	X	1,3,4
Screening for congenital abnormalities	X	X				X	X	1,2,3
Poinseti Technique	Χ	Х				Х	Х	

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APPLIED CLINICAL SKILLS: GENERAL	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
Trauma General Comportment syndrome								
Compartment syndrome Measurement of compartment pressures	Х		Х					
Fasciotomy for compartment syndrome (any site)			X	Х				
,								
Miscellaneous								
Correction of malunion or other deformity			Х	Χ				
Evacuation of haematoma			Х					
Excision / ablation of ingrowing nail			Х					
Iliac crest bone graft harvesting			Χ	Χ				
Removal foreign body from skin / subcutaneous tissue			Х					
Infection			.,					
Incision and drainage of abscess			Х					
Irrigation and debridement native joint for infection				Х				
Metalware and frames								
Application of external fixator (not spanning or Ilizarov)				Х				
Application of External fixator (not spanning of inzarov) Application of Ilizarov frame				X				
Application of skeletal traction			Х					
Application of spanning external fixator			<u> </u>	Х				
Removal external fixator or frame			Х					1
Removal K wires or skeletal traction			X					
Removal metal			X					
Neurovascular injuries								
Arterial repair +/- graft			Х	Х				
Nerve repair			Χ	Χ				
Open reduction and fixation of periprosthetic fracture								
ORIF osteochondral fragment in joint			Х	Χ				
Tendon repair			Х	Χ				
Wound management								
Free flap				Χ				
Full thickness skin graft			Χ					
Muscle flap				Χ				
Pedicle flap				Χ				
Split skin graft				Χ				
Transposition flap				Х				
Wound closure			X	Х				
Wound debridement			Х					
Flactive Company (site man emprifie)								
Elective General (site non specific)								
Aspirations / injections			V					
Aspiration / injection ankle joint Aspiration / injection elbow joint			X					
Aspiration / injection foot joint Aspiration / injection foot joint			X					
Aspiration / injection hip joint			X					
Aspiration/ injection hand and wrist			X					
Aspiration / injection knee joint			X					
Aspiration / injection shoulder joint Aspiration / injection shoulder joint			X					
Botulinum toxin injection - musculoskeletal			X					
			<u> </u>					1
Benign tumour excision (not exostosis)				Х				
Biopsy bone - needle			Х					
Biopsy bone - open			Х					
Currettage pinsites			Х					
Cyst bone curettage +/- bone graft				Х				
Distraction lengthening of bone upper limb				Χ				
Endoprosthetic replacement for malignant bone tumour - not femur / humerus / tibia				Χ				
Epiphysiodesis				Χ				
Exostosis / osteochondroma excision				Χ				
Injection of bone cyst			Х					
Malignant tumour excision				Х				1
Nerve decompression / neurolysis			Х	Х				1
Osteomyelitis excision including sequestrectomy			Х	Х				
								<u> </u>
Soft tissue procedures								
Biopsy soft tissue			X					1
Bursa excision			X					<u> </u>
Ganglion excision			X					1
Muscle biopsy			Х	.,				
Release contracture joint			 	X				-
Synovectomy Tenden decompression				Х				1
Tendon decompression Tendon length oning			Х	V				1
Tendon lengthening Tendon transfer				X				1
Tendon transfer			-	X				
l Tonodosis		I		Х				1
Tenodesis								

Amputations				
Forequarter amputation		Χ		
Above elbow amputation		Χ		
Below elbow amputation		Χ		
Finger amputation		Χ		
Hindquarter amputation		Χ		
Above knee amputation		Χ		
Through knee amputation		Χ		
Below knee amputation		Χ		
Through ankle amputation		Χ		
Hindfoot amputation		Χ		
Midfoot amputation		Χ		
Toe amputation		Х		

Toe amputation				Χ				
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APPLIED CLINICAL SKILLS: SPINE	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
Trauma Spine								
Cervical Spine								
Anterior column reconstruction cervical spine				Χ				
Anterior fixation fracture / dislocation cervical spine				Χ				
Application halo / tong traction cervical spine				Χ				
MUA fracture / dislocation cervical spine			Χ					
Non-classifiable cervical spine trauma procedure				Χ				
Posterior column reconstruction cervical spine				Χ				
Posterior fixation fracture / dislocation cervical spine				Χ				
Brachial Plexus								
Exploration / repair / grafting brachial plexus				Χ				
Exploration of brachial plexus				Χ				
Repair +/- grafting brachial plexus				Х				
Thoracic Spine								
Anterior column reconstruction thoracic spine				Χ				
Anterior decompression / fixation thoracic spine				Χ				
Anterior decompression thoracic spine				Χ				
Posterior column reconstruction thoracic spine				Χ				
Posterior decompression / fixation thoracic spine				Χ				
Posterior decompression thoracic spine				Χ				
Lumbar Spine					_			
Anterior column reconstruction lumbar spine				Χ				
Anterior decompression / fixation lumbar spine				Х				
Anterior decompression lumbar spine				Χ				
Posterior column reconstruction lumbar spine				Χ				
Posterior decompression / fixation lumbar spine				Χ				
Posterior decompression lumbar spine			Χ	Χ				
Elective Spine								
Cervical Spine								
Anterior column reconstruction cervical spine				Χ				
Cervical disc replacement				Χ				
Cervical laminectomy				Χ				
Cervical laminoplasty				Х				
Cervical vertebrectomy for myelopathy				Х				
Excision hemivertebra				Х				
Excision nemiverces a								
Fixation and fusion procedures								
Anterior decompression +/- fixation / fusion (C2 - C7)				Х				
Atlantoaxial fixation +/- fusion				X				
C1 pedicle screws and C2 fusion				X				
Occipital / cervical / thoracic fusion				X				
Occipital cervical fusion				X				
Occipital cervical fusion Occipito-cervical fusion +/- fixation				X				
Posterior decompression +/- fixation / fusion (C2 - C7)				X				
Transarticular screws C1/C2				X				
i i alisal diculal sciews C1/C2				^				
Investigations and injections								
Investigations and injections Riency convical chine			V	~				
Biopsy cervical spine Discogram			X	Х				
Discogram			X					
Epidural News root / facet injection consist spins			X					
Nerve root / facet joint injection cervical spine			Х					
Osteotomy for spine sagittal plain imbalance				X				
Posterior column reconstruction cervical spine				X				
Revision cervical discectomy				Х				
Thoracic outlet obstruction								
Excision cervical / 1st rib				Х				
Thoracic outlet release (not excision cervical / 1st rib)				Χ				
Thoracic Spine								
Anterior column reconstruction thoracic spine				Χ				
Costoplasty				Χ				
Excision hemivertebra				Χ				

Fixation or fusion procedures	1							
Anterior decompression +/- fixation / fusion				Х				
Posterior decompression +/- fixation / fusion				Х				
Investigations and injections								
Biopsy thoracic spine			Х	Х				
Discogram			Χ					
Kyphosis correction								
Kyphoplasty corpectomy				Х				
Kyphosis correction - anterior and posterior				Х				
Kyphosis correction - anterior only				X				
Posterior column reconstruction thoracic spine				X				
Scoliosis correction - anterior release +/- instrumentation				X				
Scoliosis correction - posterior fusion +/- instrumentation Scoliosis correction				X				
Anterior release + posterior fusion and instrumentation for scoliosis				X				
Growing rods for scoliosis				X				
Lengthening of growing rods for scoliosis				X				
Localiser cast for scoliosis			Х					
Scoliosis correction - anterior release +/- instrumentation	1			Х				
Scoliosis correction - posterior fusion +/- instrumentation	1			X				
Thoracic disc replacement	1			Х				
Vertebroplasty	Ĺ			Х				
Thoracoscopic spinal procedures +/- instrumentation				Х				
Lumbar Spine								
Anterior column reconstruction lumbar spine				Χ				
Decompression lumbar spine without fusion (not discectomy alone)			Х	Χ				
Discectomy open / micro				Х				
Excision hemivertebra				Х				
Fixation and fusion procedures								
ALIF				X				
Decompression lumbar spine with fusion +/- fixation PLIF				X				
TLIF				X				
				Λ				
Investigations and injections								
Caudal epidural injection			Х					
Discogram			Х					
Epidural			Χ					
Facet joint injection lumbar spine			Х					
Nerve root injection lumbar spine			Χ					
Lumbar disc replacement				Χ				
Lumbar spine - dynamic neutralisation system				Х				
Osteotomy for spine sagittal plane imbalance				X				
Posterior column reconstruction lumbar spine				X				
Revision lumbar discectomy				X				
Vertebroplasty				Х				
. ,								
	CEX	CRD	DOPS	DRΛ	MSE	ISB Section 1	ISB Section 2	GMD
APPLIED CLINICAL SKILLS: SHOULDER	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
APPLIED CLINICAL SKILLS: SHOULDER Trauma Shoulder	CEX	CBD	DOPS	PBA X	MSF	ISB Section 1	ISB Section 2	GMP
APPLIED CLINICAL SKILLS: SHOULDER Trauma Shoulder Clavicle ORIF clavicle fracture	CEX	CBD	DOPS		MSF	ISB Section 1	ISB Section 2	GMP
APPLIED CLINICAL SKILLS: SHOULDER Trauma Shoulder Clavicle	CEX	CBD	DOPS	X	MSF	ISB Section 1	ISB Section 2	GMP
APPLIED CLINICAL SKILLS: SHOULDER Trauma Shoulder Clavicle ORIF clavicle fracture ORIF non-union clavicle fracture	CEX	CBD	DOPS	X	MSF	ISB Section 1	ISB Section 2	GMP
APPLIED CLINICAL SKILLS: SHOULDER Trauma Shoulder Clavicle ORIF clavicle fracture ORIF non-union clavicle fracture SC joint dislocation closed / open reduction	CEX	CBD	DOPS	X X X	MSF	ISB Section 1	ISB Section 2	GMP
APPLIED CLINICAL SKILLS: SHOULDER Trauma Shoulder Clavicle ORIF clavicle fracture ORIF non-union clavicle fracture SC joint dislocation closed / open reduction	CEX	CBD	DOPS	X X X	MSF	ISB Section 1	ISB Section 2	GMP
APPLIED CLINICAL SKILLS: SHOULDER Trauma Shoulder Clavicle ORIF clavicle fracture ORIF non-union clavicle fracture SC joint dislocation closed / open reduction SC joint instability/open stabilisation	CEX	CBD	DOPS	X X X	MSF	ISB Section 1	ISB Section 2	GMP
APPLIED CLINICAL SKILLS: SHOULDER Trauma Shoulder Clavicle ORIF clavicle fracture ORIF non-union clavicle fracture SC joint dislocation closed / open reduction SC joint instability/open stabilisation Shoulder Acromioclavicular joint dislocation acute ORIF	CEX	CBD	DOPS	X X X	MSF	ISB Section 1	ISB Section 2	GMP
APPLIED CLINICAL SKILLS: SHOULDER Trauma Shoulder Clavicle ORIF clavicle fracture ORIF non-union clavicle fracture SC joint dislocation closed / open reduction SC joint instability/open stabilisation Shoulder Acromioclavicular joint dislocation acute ORIF Anterior dislocation shoulder	CEX	CBD		X X X	MSF	ISB Section 1	ISB Section 2	GMP
APPLIED CLINICAL SKILLS: SHOULDER Trauma Shoulder Clavicle ORIF clavicle fracture ORIF non-union clavicle fracture SC joint dislocation closed / open reduction SC joint instability/open stabilisation Shoulder Acromioclavicular joint dislocation acute ORIF Anterior dislocation shoulder Anterior dislocation shoulder closed reduction	CEX	CBD	DOPS	X X X X	MSF	ISB Section 1	ISB Section 2	GMP
APPLIED CLINICAL SKILLS: SHOULDER Trauma Shoulder Clavicle ORIF clavicle fracture ORIF non-union clavicle fracture SC joint dislocation closed / open reduction SC joint instability/open stabilisation Shoulder Acromioclavicular joint dislocation acute ORIF Anterior dislocation shoulder	CEX	CBD		X X X	MSF	ISB Section 1	ISB Section 2	GMP
APPLIED CLINICAL SKILLS: SHOULDER Trauma Shoulder Clavicle ORIF clavicle fracture ORIF non-union clavicle fracture SC joint dislocation closed / open reduction SC joint instability/open stabilisation Shoulder Acromioclavicular joint dislocation acute ORIF Anterior dislocation shoulder Anterior dislocation shoulder reduction Anterior dislocation shoulder open reduction +/- fixation	CEX	CBD		X X X X	MSF	ISB Section 1	ISB Section 2	GMP
APPLIED CLINICAL SKILLS: SHOULDER Trauma Shoulder Clavicle ORIF clavicle fracture ORIF non-union clavicle fracture SC joint dislocation closed / open reduction SC joint instability/open stabilisation Shoulder Acromioclavicular joint dislocation acute ORIF Anterior dislocation shoulder Anterior dislocation shoulder closed reduction Anterior dislocation shoulder open reduction +/- fixation Fracture proximal humerus	CEX	CBD	X	X X X X	MSF	ISB Section 1	ISB Section 2	GMP
APPLIED CLINICAL SKILLS: SHOULDER Trauma Shoulder Clavicle ORIF clavicle fracture ORIF non-union clavicle fracture SC joint dislocation closed / open reduction SC joint instability/open stabilisation Shoulder Acromicclavicular joint dislocation acute ORIF Anterior dislocation shoulder Anterior dislocation shoulder closed reduction Anterior dislocation shoulder open reduction +/- fixation Fracture proximal humerus Fracture proximal humerus hemiarthroplasty	CEX	CBD		X X X X	MSF	ISB Section 1	ISB Section 2	GMP
APPLIED CLINICAL SKILLS: SHOULDER Trauma Shoulder Clavicle ORIF clavicle fracture ORIF non-union clavicle fracture SC joint dislocation closed / open reduction SC joint instability/open stabilisation Shoulder Acromioclavicular joint dislocation acute ORIF Anterior dislocation shoulder Anterior dislocation shoulder closed reduction Anterior dislocation shoulder open reduction +/- fixation Fracture proximal humerus Fracture proximal humerus hemiarthroplasty Fracture proximal humerus interlocking IM nail	CEX	CBD	X	X X X X	MSF	ISB Section 1	ISB Section 2	GMP
APPLIED CLINICAL SKILLS: SHOULDER Trauma Shoulder Clavicle ORIF clavicle fracture ORIF non-union clavicle fracture SC joint dislocation closed / open reduction SC joint instability/open stabilisation Shoulder Acromicclavicular joint dislocation acute ORIF Anterior dislocation shoulder Anterior dislocation shoulder closed reduction Anterior dislocation shoulder open reduction +/- fixation Fracture proximal humerus Fracture proximal humerus hemiarthroplasty Fracture proximal humerus interlocking IM nail Fracture proximal humerus ORIF	CEX	CBD	X	X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
APPLIED CLINICAL SKILLS: SHOULDER Trauma Shoulder Clavicle ORIF clavicle fracture ORIF non-union clavicle fracture SC joint dislocation closed / open reduction SC joint instability/open stabilisation Shoulder Acromioclavicular joint dislocation acute ORIF Anterior dislocation shoulder Anterior dislocation shoulder closed reduction Anterior dislocation shoulder open reduction +/- fixation Fracture proximal humerus Fracture proximal humerus hemiarthroplasty Fracture proximal humerus interlocking IM nail	CEX	CBD	X	X X X X	MSF	ISB Section 1	ISB Section 2	GMP

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Posterior dislocation shoulder

Fracture diaphysis humerus

Scapula fracture ORIF

Humerus

Posterior dislocation shoulder closed reduction

Fracture diaphysis humerus non-operative

Posterior dislocation shoulder open reduction +/- fixation

Non-union ORIF +/- bone grafting

Fracture diaphyseal humerus application of external fixator

Fracture diaphyseal humerus non-union - ORIF +/- bone grafting

	1	•	ı	ı			1	1
Fracture diaphysis humerus IM nailing				Х				
Fracture diaphysis humerus ORIF plating				Х				
Elective Shoulder								
Clavicle				.,				
Osteotomy and internal fixation of clavicle malunion				Х				
Shoulder								
Arthroscopic procedures				.,				
Arthroscopic arthrolysis for capsulitis of shoulder				X				
Arthroscopic biceps tenodesis				X				
Arthroscopic subacromial decompression				Х				
Arthroscopic removal loose body - shoulder				Х				
Arthroscopy diagnostic - shoulder			Х	Х				
Capsular / rotator cuff repair				.,				
Anterior repair for instability arthroscopic				Х				
Anterior repair for instability open including capsular shift				Х				
Posterior repair for instability including capsular shift				Х				
Rotator cuff repair (arthroscopic) +/- acromioplasty				Х				
Rotator cuff repair (open) +/- acromioplasty	 	<u> </u>		Х				
MUA shoulder	<u> </u>		Х				ļ	
Shoulder arthrodesis	<u> </u>			Х			ļ	
	1	<u> </u>						
Shoulder arthroplasty	1							
Hemiarthroplasty shoulder (elective)	1		Х	Х			ļ	
Resurfacing hemiarthroplasty of shoulder	1			Х				
Reverse polarity (inverse) shoulder replacement				Χ				
Shoulder replacement revision				Χ				
Total shoulder replacement				Χ				
Shoulder girdle procedures								
Acromioclavicular joint excision - arthroscopic / open / lateral clavicle				Χ				
Acromioclavicular joint reconstruction (eg Weaver Dunn)				Χ				
Acromioplasty open				Χ				
Latarjet procedure				Χ				
Levator scapulae transfer for trapezius palsy				Х				
Scapulothoracic fusion								
Scaparotrioradic rasion				Χ				
				Х				
Humerus								
·				X				
Humerus Endoprosthetic replacement for malignant bone tumour - humerus				Х				
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW	CEX	CBD	DOPS		MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow	CEX	CBD	DOPS	Х	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow	CEX	CBD		Х	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator	CEX	CBD	DOPS	X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow	CEX	CBD		Х	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF	CEX	CBD		X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures	CEX	CBD		X PBA	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF	CEX	CBD		X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF	CEX	CBD		X PBA	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture:	CEX	CBD	X	X PBA	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture: Dislocated elbow +/- fracture closed reduction	CEX	CBD		X PBA	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fractures Dislocated elbow +/- fracture: Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation	CEX	CBD	X	X PBA X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture: Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF	CEX	CBD	X	X PBA	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture: Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection - elbow	CEX	CBD	X	X PBA X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture: Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection – elbow Lateral condyle fracture ORIF	CEX	CBD	X	X PBA X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture: Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection – elbow Lateral condyle / epicondyle fracture MUA / percutaneous wire / ORIF	CEX	CBD	X	X PBA X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture: Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection – elbow Lateral condyle fracture ORIF	CEX	CBD	X	X PBA X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture: Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection – elbow Lateral condyle / epicondyle fracture MUA / percutaneous wire / ORIF Olecranon fracture ORIF	CEX	CBD	X	X PBA X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture: Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection – elbow Lateral condyle fracture ORIF Medial condyle / epicondyle fracture MUA / percutaneous wire / ORIF Olecranon fracture ORIF Radial head / neck fracture	CEX	CBD	X	X PBA X X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture: Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection – elbow Lateral condyle fracture ORIF Medial condyle / epicondyle fracture MUA / percutaneous wire / ORIF Olecranon fracture ORIF Radial head / neck fracture Radial head / neck fracture ORIF	CEX	CBD	X	X PBA X X X X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture: Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection – elbow Lateral condyle fracture ORIF Medial condyle / epicondyle fracture MUA / percutaneous wire / ORIF Olecranon fracture ORIF Radial head / neck fracture Radial head / neck fracture ORIF Radial head / neck fracture ORIF	CEX	CBD	X	X PBA X X X X X X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture: Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection – elbow Lateral condyle fracture ORIF Medial condyle / epicondyle fracture MUA / percutaneous wire / ORIF Olecranon fracture ORIF Radial head / neck fracture Radial head / neck fracture ORIF	CEX	CBD	X	X PBA X X X X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture: Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection – elbow Lateral condyle / epicondyle fracture MUA / percutaneous wire / ORIF Olecranon fracture ORIF Radial head / neck fracture Radial head / neck fracture Radial head replacement for fracture Radial head replacement for fracture	CEX	CBD	X	X PBA X X X X X X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection – elbow Lateral condyle fracture ORIF Medial condyle / epicondyle fracture MUA / percutaneous wire / ORIF Olecranon fracture ORIF Radial head / neck fracture Radial head / neck fracture Radial head replacement for fracture Supracondylar elbow fracture Supracondylar elbow fracture	CEX	CBD	X	X PBA X X X X X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection – elbow Lateral condyle fracture ORIF Medial condyle / epicondyle fracture MUA / percutaneous wire / ORIF Olecranon fracture ORIF Radial head / neck fracture Radial head / neck fracture Radial head replacement for fracture Supracondylar elbow fracture MUA +/- percutaneous wires	CEX	CBD	X	X PBA X X X X X X X X X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection – elbow Lateral condyle fracture ORIF Medial condyle / epicondyle fracture MUA / percutaneous wire / ORIF Olecranon fracture ORIF Radial head / neck fracture Radial head / neck fracture Radial head replacement for fracture Supracondylar elbow fracture Supracondylar elbow fracture	CEX	CBD	X	X PBA X X X X X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection – elbow Lateral condyle fracture ORIF Medial condyle / epicondyle fracture MUA / percutaneous wire / ORIF Olecranon fracture ORIF Radial head / neck fracture Radial head / neck fracture ORIF Radial head excision Radial head replacement for fracture Supracondylar elbow fracture Supracondylar elbow fracture OBUR +/- percutaneous wires Supracondylar elbow fracture open reduction	CEX	CBD	X	X PBA X X X X X X X X X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture: Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection – elbow Lateral condyle fracture ORIF Medial condyle / epicondyle fracture MUA / percutaneous wire / ORIF Olecranon fracture ORIF Radial head / neck fracture Radial head / neck fracture Human / Percutaneous wire / ORIF Olecranon fracture ORIF Radial head replacement for fracture Supracondylar elbow fracture MUA +/- percutaneous wires Supracondylar elbow fracture open reduction Tendon repairs	CEX	CBD	X	X PBA X X X X X X X X X X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture closed reduction -/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection – elbow Lateral condyle fracture ORIF Medial condyle / epicondyle fracture MUA / percutaneous wire / ORIF Olecranon fracture ORIF Radial head / neck fracture Radial head / neck fracture ORIF Radial head excision Radial head replacement for fracture Supracondylar elbow fracture Supracondylar elbow fracture ONDA +/- percutaneous wires Supracondylar elbow fracture open reduction	CEX	CBD	X	X PBA X X X X X X X X X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture: Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection – elbow Lateral condyle fracture ORIF Medial condyle / epicondyle fracture MUA / percutaneous wire / ORIF Olecranon fracture ORIF Radial head / neck fracture ORIF Radial head / neck fracture ORIF Radial head excision Radial head replacement for fracture Supracondylar elbow fracture Supracondylar elbow fracture MUA +/- percutaneous wires Supracondylar elbow fracture open reduction Tendon repairs Repair of distal biceps tendon rupture	CEX	CBD	X	X PBA X X X X X X X X X X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture: Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection – elbow Lateral condyle fracture ORIF Medial condyle / epicondyle fracture MUA / percutaneous wire / ORIF Olecranon fracture ORIF Radial head / neck fracture Radial head / neck fracture ORIF Radial head excision Radial head replacement for fracture Supracondylar elbow fracture Supracondylar elbow fracture open reduction Tendon repairs Repair of distal biceps tendon rupture Forearm	CEX	CBD	X	X PBA X X X X X X X X X X X X X X X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellium ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture copen reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection - elbow Lateral condyle fracture ORIF Medial condyle / epicondyle fracture MUA / percutaneous wire / ORIF Olecranon fracture ORIF Radial head / neck fracture ORIF Radial head / neck fracture ORIF Radial head replacement for fracture Supracondylar elbow fracture Supracondylar elbow fracture open reduction Tendon repairs Repair of distal biceps tendon rupture Forearm Fasciotomy for compartment syndrome	CEX	CBD	X	X PBA X X X X X X X X X X X X X X	MSF	ISB Section 1	ISB Section 2	GMP
Humerus Endoprosthetic replacement for malignant bone tumour - humerus APPLIED CLINICAL SKILLS: ELBOW Trauma Elbow Elbow Application of spanning external fixator Capitellum ORIF Coronoid fractures Coronoid fracture ORIF Dislocated elbow +/- fracture: Dislocated elbow +/- fracture closed reduction Dislocated elbow +/- fracture open reduction +/- fixation Intraarticular distal humerus fracture ORIF Irrigation and debridement native joint for infection – elbow Lateral condyle fracture ORIF Medial condyle / epicondyle fracture MUA / percutaneous wire / ORIF Olecranon fracture ORIF Radial head / neck fracture Radial head / neck fracture ORIF Radial head excision Radial head replacement for fracture Supracondylar elbow fracture Supracondylar elbow fracture open reduction Tendon repairs Repair of distal biceps tendon rupture Forearm	CEX	CBD	X	X PBA X X X X X X X X X X X X X X X X X X X	MSF	ISB Section 1	ISB Section 2	GMP

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Χ

Χ

Χ

Χ

X

Χ

Fracture shaft radius / ulna IM nailing

Fracture shaft radius / ulna ORIF

Galeazzi fracture ORIF

Elective Elbow

Monteggia fracture ORIF

Fracture shaft radius / ulna MUA & POP

Arthrolysis elbow (open/arthroscopic)

Arthroscopy elbow diagnostic

Arthoscopy elbow therapeutic

Arthrotomy elbow				Χ				
Excision radial head +/- synovectomy				Χ				
OK procedure				Χ				
Tennis / golfer elbow release			Χ					
Total elbow replacement								
Total elbow replacement				Χ				
Total elbow replacement - aseptic revision				Χ				
Total elbow replacement for trauma				Χ				
Total elbow replacement revision 1st stage				Χ				
Total elbow replacement revision 2nd stage				Χ				
Ulnar nerve decompression / transposition				Χ				
Forearm								
Forearm malunion correction or other deformity				Χ				
APPLIED CLINICAL SKILLS: HAND	CEX	CBD	DOPS	PRA	MSF	ISB Section 1	ISB Section 2	GMP

Forearm malunion correction or other deformity				Х				
The state of the s				<u>I</u>				
APPLIED CLINICAL SKILLS: HAND	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
Trauma Hand								
Wrist								
Fracture distal radius:								
Fracture distal radius – closed non-op			Х					
Fracture distal radius external fixation				Χ				
Fracture distal radius MUA & percutaneous wires			Χ					
Fracture distal radius ORIF				Χ				
Application of spanning external fixator				Χ				
Arterial repair - wrist				Χ				
Vein repair – wrist				Χ				
Carpal fracture / dislocation:								
Carpal fracture / dislocation MUA & percutaneous wires			Х					
Carpal fracture / dislocation MUA & POP			Х					
Carpal fracture / dislocation non-op			Х					
Carpal fracture / dislocation ORIF				Х				
Irrigation and debridement prosthesis for infection – wrist			Х	X				
Nerve repair - wrist				X				
Replantation of hand				X				
Revascularisation of hand				X				
Scapho-lunate ligament reconstruction				Х	<u> </u>			
Scanhaid fracture:					<u> </u>			
Scaphoid fracture:			Х					
Scaphoid fracture non-operative Scaphoid fracture MUA & percutaneous wires				Х				
Scaphold fracture MOA & percutaneous wires Scaphold fracture non-union ORIF +/- graft (excluding vascularised graft)				X				
Scaphold fracture non-union using vascularised graft				X				
Scaphold fracture ORIF				X				
Scaphola fractare offi								
Hand								
1st ray fracture / dislocation								
1st ray fracture / dislocation external fixation				Х				
1st ray fracture / dislocation MUA & percutaneous wires			Х					
1st ray fracture / dislocation MUA & POP			Х					
1st ray fracture / dislocation ORIF				Х				
5 th Ray fracture / dislocation								
5th ray fracture / dislocation external fixation				Х				
5th ray fracture / dislocation MUA & percutaneous wires			Χ					
5th ray fracture / dislocation MUA & POP			Χ					
5th ray fracture / dislocation ORIF				Χ				
Finger tip reconstruction								
Finger tip reconstruction - advancement flap				Х				
Finger tip reconstruction - cross finger flap				Χ				
Finger tip reconstruction - homodigital neurovascular island flap				Х				
Finger tip terminalisation			Х					
Nail bed repair				Х				
Hand compartment syndrome decompression				Х				
Excision / ablation of ingrowing nail			Х					
Infection				.,				
High pressure injection injuries			V	Х				
Infection hand drainage (not tendon sheath)			X					
Infection tendon sheath drainage IPJ fracture / dislocation (PIPJ and DIPJ):			Х					
IPJ fracture / dislocation (PIPJ and DIPJ): IPJ fracture / dislocation external fixator				Х				
IPJ fracture / dislocation external fixator IPJ fracture / dislocation MUA & percutaneous wires			Х	_ ^				
IPJ fracture / dislocation MUA +/- POP			X					
IPJ fracture / dislocation ORIF				Х				
Ligament repair								
Ligament repair hand excluding thumb MCPJ ulnar collateral ligament				Х				
Thumb MCPJ ulnar collateral repair				X				
, and the second								
MCPJ fracture / dislocation								
MCPJ fracture / dislocation external fixator			Х					
MCPJ fracture / dislocation MUA & percutaneous wires				Х				
MCPJ fracture / dislocation MUA +/- POP			Х					

MED Firsture / dislocation ORFF MED Agranger Forcus (not 1st or 51th) mon-op Metacorapial fracture (not 1st or 51th) mon-op Metacorapial fracture (not 1st or 51th) MUA & proportion of the Metacorapial fracture (not 1st or 51th) MUA & proportion of the Metacorapial fracture (not 1st or 51th) MUA & proportion of the Metacorapial fracture (not 1st or 51th) MUA & proportion of the Metacorapial fracture (not 1st or 51th) MUA & proportion of the Metacorapial fracture (not 1st or 51th) MUA & proportion of the Metacorapial fracture (not 1st or 51th) dependent of the Metacorapial fracture (not 1st or 51th) dependent of the Metacorapial fracture (not 1st or 51th) dependent of the Metacorapia fracture (n
Metacaral Fracture (not 3 to 15th) MUA 9-PCP
Metacrapal fracture (not 1st or 5th) MULA +/ POP Metacrapal fracture (not 1st or 5th) external fixation Metacrapal fracture (not 1st or 5th) external fixation Neurovscular injuries Neuroscular injuries Neuroscular injuries Neuroscular injuries Nerve repair hand / digit Neuroscular injuries Neuroscular injuri
Metacarpal fractive (out 1st or 5th) ORIF
Metroangal fracture (not 1st or 5th) external fixation Neurowascular injuries Archarial repair *, graft hand / digit Nerve repair *, graft hand / digit Nerve repair repair *, graft hand / digit Nerve repair *, graft hand /
Neurovascular injuries
Arterial repair s/- graft hand / digit
Arterial repair s/- graft hand / digit
Never regain than 0 / digit
Revascularisation finger National Content of Proceedings National Content of Processing Content of Proces
Revascularisation finger X Valor repair 4-y garth hand / digit X Phalangeal fracture non-op- Phalangeal fracture MULA & perutaneous wires X Phalangeal fracture MULA P. POP X Phalangeal fracture ORIF X Removal foreign body from skin / subcutaneous tissue X Replantation finger X Skin graft X Free flap X Full thickness skin graft X Full thickness skin graft X Peldict flag X Reverser adual forearm flap X Spitis skin graft X Transposition flag X Tangentale excision of hand burns X Tendon repair lexic excision of hand burns X Tendon repair flexor zone 1 X Spaghetti wrist X Tendon repair flexor zone 2 X Tendon repair flexor zone 3-5 X Wound closure X Delayed primary or secondary X Wyound debridement X Elective Hand X
Vair repair +/ graft hand / digit
Phalangeal fracture non-op Phalangeal fracture MUA & percutaneous wires N
Phalangeal fracture MUA & percutaneous wires
Phalangeal fracture MUA 4/- POP
Phalangeal Fracture ORIF Removal Foreign body from skin / subcutaneous tissue Replantation finger X
Remoral foreign body from skin / subcutaneous tissue Replantation finger Reversed for Replantation finger Reversed radial forearm flap Reversed radial forear
Replantation finger Skin graft
Skin graft
Free flap
Free flap
Full thickness skin graft Pedicle flap Reversed radial forearm flap Reversed radial fla
Pedicide flap Reversed radial forearm flap
Reversed radial forearm flap Spit skin graft Spit skin skin skin skin skin skin skin skin
Split skin graft
Transposition flap X X Tangential excision of hand burns X X Tendon repair X X Spaghetti wrist X X Tendon repair flexor zone 1 X X Tendon repair flexor zone 2 X X Tendon repair flexor zone 3-5 X X Wound closure X X Delayed primary or secondary X X Wound debridement X X Elective Hand X X Wrist X X Arthrodesis wrist (includes partial arthrodesis) X X Arthrodesis wrist (includes partial arthrodesis) X X Arthrodesis wrist (includes partial arthrodesis) X X De Quervairs decompression X X De Quervairs decompression X X De Quervairs decompression X X Decompression / synovectomy tendons X X Denervation wrist X X Excision di
Tangential excision of hand burns Tendon repair Spaghetti wrist Tendon repair extensor Tendon repair flexor zone 1 Tendon repair flexor zone 1 Tendon repair flexor zone 2 Tendon repair flexor zone 2 Tendon repair flexor zone 3-5 Wound closure Delayed primary or secondary Wound debridement Elective Hand Wrist Arthrodesis wrist (includes partial arthrodesis) Arthroscopy wrist Carpal tunnel decompression De Quervain's decompression De Quervain's decompression Denervation wrist Excision distal ulna Ganglion excision at wrist Proximal row carpectomy Radial shortening X X X X X X X X X
Tendon repair
Spaghetti wrist
Spaghetti wrist
Tendon repair extensor X X Tendon repair flexor zone 1 X X Tendon repair flexor zone 2 X X Tendon repair flexor zone 3-5 X X Wound closure X X Delayed primary or secondary X X Wound debridement X X Word debridement X X Wrist X X Arthrodesis wrist (includes partial arthrodesis) X X Arthroscopy wrist X X Carpal tunnel decompression X X Dec Quervain's decompression X X Decompression / synovectomy tendons X X Denervation wrist X X Excision distal ulna X X Ganglion excision at wrist X X Proximal row carpectomy X X Radial shortening X X
Tendon repair flexor zone 2 Tendon repair flexor zone 2 Tendon repair flexor zone 3-5 Tendon repair flexor zone 3-5 Wound closure Delayed primary or secondary Wound debridement X Elective Hand Wrist Arthrodesis wrist (includes partial arthrodesis) Arthroscopy wrist Carpal tunnel decompression De Quervain's decompression De Quervain's decompression De Compression / synovectomy tendons Denervation wrist Excision distal ulna Ganglion excision at wrist Tendon repair flexor zone 2 X X X Arthroscopy Arthrosc
Tendon repair flexor zone 2 X Tendon repair flexor zone 3-5 X Wound closure
Tendon repair flexor zone 2 X Tendon repair flexor zone 3-5 X Wound closure
Tendon repair flexor zone 3-5 Wound closure Delayed primary or secondary Wound debridement X S Elective Hand Wrist Arthrodesis wrist (includes partial arthrodesis) Arthroscopy wrist Carpal tunnel decompression De Quervain's decompression De Quervain's decompression Decompression / synovectomy tendons Denervation wrist Excision distal ulna Ganglion excision at wrist Proximal row carpectomy Radial shortening
Wound closure X Delayed primary or secondary X Wound debridement X Elective Hand X Wrist X Arthrodesis wrist (includes partial arthrodesis) X Arthroscopy wrist X Carpal tunnel decompression X De Quervain's decompression X Decompression / synovectomy tendons X Denervation wrist X Excision distal ulna X Ganglion excision at wrist X Proximal row carpectomy X Radial shortening X
Delayed primary or secondary Wound debridement Elective Hand Wrist Arthrodesis wrist (includes partial arthrodesis) Arthroscopy wrist Carpal tunnel decompression De Quervain's decompression De Quervain's decompression Denervation wrist Excision distal ulna Ganglion excision at wrist Proximal row carpectomy Radial shortening
Delayed primary or secondary Wound debridement Elective Hand Wrist Arthrodesis wrist (includes partial arthrodesis) Arthroscopy wrist Carpal tunnel decompression De Quervain's decompression De Quervain's decompression Denervation wrist Excision distal ulna Ganglion excision at wrist Proximal row carpectomy Radial shortening
Wound debridement Elective Hand Wrist Arthrodesis wrist (includes partial arthrodesis) Arthrogy wrist Carpal tunnel decompression De Quervain's decompression De Quervain's decompression Decompression / X / X Denervation wrist Excision distal ulna Ganglion excision at wrist Proximal row carpectomy Radial shortening
Elective Hand Wrist Arthrodesis wrist (includes partial arthrodesis) Arthroscopy wrist Carpal tunnel decompression De Quervain's decompression De Quervain's decompression Decompression / synovectomy tendons Denervation wrist Excision distal ulna Ganglion excision at wrist Proximal row carpectomy Radial shortening
Wrist Arthrodesis wrist (includes partial arthrodesis) X Arthroscopy wrist X X Carpal tunnel decompression X X De Quervain's decompression X X Decompression / synovectomy tendons X X Denervation wrist X X Excision distal ulna X X Ganglion excision at wrist X X Proximal row carpectomy X X Radial shortening X X
Wrist Arthrodesis wrist (includes partial arthrodesis) X Arthroscopy wrist X X Carpal tunnel decompression X X De Quervain's decompression X X Decompression / synovectomy tendons X X Denervation wrist X X Excision distal ulna X X Ganglion excision at wrist X X Proximal row carpectomy X X Radial shortening X X
Arthrodesis wrist (includes partial arthrodesis) Arthroscopy wrist Carpal tunnel decompression De Quervain's decompression Decompression / synovectomy tendons Denervation wrist Excision distal ulna Ganglion excision at wrist Proximal row carpectomy Radial shortening
Arthroscopy wrist Carpal tunnel decompression De Quervain's decompression Decompression / synovectomy tendons Denervation wrist Excision distal ulna Ganglion excision at wrist Proximal row carpectomy Radial shortening
Carpal tunnel decompression De Quervain's decompression Decompression / synovectomy tendons Denervation wrist Excision distal ulna Ganglion excision at wrist Proximal row carpectomy Radial shortening
De Quervain's decompression Decompression / synovectomy tendons Denervation wrist Excision distal ulna Ganglion excision at wrist Proximal row carpectomy Radial shortening
Decompression / synovectomy tendons Denervation wrist Excision distal ulna Ganglion excision at wrist Proximal row carpectomy Radial shortening
Denervation wrist X Excision distal ulna X Ganglion excision at wrist X Proximal row carpectomy X Radial shortening X
Excision distal ulna Ganglion excision at wrist Proximal row carpectomy Radial shortening X X X X X X X X X X X X X X X X X X X
Ganglion excision at wrist Proximal row carpectomy Radial shortening X X X X X X X X X X X X X
Proximal row carpectomy Radial shortening X X X
Radial shortening X
Surgery for chronic carnal instability
Surgery for chronic carpal instability
TFCC
Repair TFCC - arthroscopic X
Repair TFCC - open X
Ulna shortening X
Ulnar nerve decompression at wrist
Wrist arthroplasty X
Hand
Carpal tunnel decompression X
Congenital hand operation
Congenital hand operation - clinodactyly X
Congenital hand operation - complex reconstruction of congenital hand deformity X
Congenital hand operation - complex reconstruction of congenital hand deformity Congenital hand operation - camptodactyly
Congenital hand operation - camptodactyly Congenital hand operation - correction of radial club hand X X
Congenital hand operation - removal supernumerary digits X
Congenital hand operation - separation of syndactyly
Dupuytren's contracture operation
Dupuytrens contracture operation - dermofasciectomy X
Dupuytren's contracture operation - primary multiple digits
Dupuytren's contracture operation - primary single digit
Dupuytren's contracture operation - recurrent multiple digits
Dupuytren's contracture operation - recurrent single digit
Excision synovial cyst X X
Finger malunion correction or other deformity X
I I I I I I I I I I I I I I I I I I I
Fusion of MCPJ or IPJ X
Fusion of MCPJ or IPJ X
Fusion of MCPJ or IPJ X

PIPJ replacement - hand (silastic)			Χ		
Soft tissue reconstruction hand			Χ		
Synovectomy			Χ		
Tendon procedures					
Tendon graft hand			Χ		
Tendon transfer hand			Χ		
Tenolysis hand tendon			Χ		
Tenosynovectomy			Χ		
Trapezium excision or replacement			Х		
Trigger finger release		Χ			
Trigger thumb release		Х			

Trigger thumb release			Χ					
APPLIED CLINICAL SKILLS: HIP	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
Trauma Hip								
Pelvis								
Acetabular fracture ORIF				Х				
Pelvic fracture:				٧.				
Pelvic fracture external fixator application				X				
Pelvic fracture ORIF				X				
Sacroiliac joint percutaneous screw fixation Sacrum ORIF				X				
Sacrum Orif				^				
Hip								
Dislocated hip								
Dislocated hip (no prosthesis) - closed reduction			Х					
Dislocated hip (no prosthesis) - open reduction +/- fixation				Х				
Dislocated hip hemiarthroplasty - closed reduction			Х					
Dislocated hip hemiarthroplasty - open reduction				Х				
Dislocated total hip replacement - closed reduction			Х					
Dislocated total hip replacement - open reduction				Х				
Dislocated total hip replacement - open reduction								
Extracapsular fracture								
Extracapsular fracture CHS / DHS				Х	Х			
Extracapsular fracture intramedullary fixation				X	^			
Extracapsular fracture other fixation				X				
				^				
Intracapsular fracture								
Intracapsular fracture bipolar hemiarthroplasty				Х				
Intracapsular fracture hemiarthroplasty excluding bipolar				X				
Intracapsular fracture internal fixation				X				
Intracapsular fracture THR				X				
Irrigation and debridement native joint for infection - hip				Х				
Irrigation and debridement prosthesis for infection - hip				Х				
in gation and destruction prostricts for infection in p								
Periprosthetic fracture of hip								
Open reduction and fixation of periprosthetic fracture - hip				Х				
Revision THR for periprosthetic fracture of hip				Х				
Femur								
Diaphyseal fracture								
Diaphyseal femur fracture application of external fixator				Χ				
Diaphyseal femur fracture intramedullary nailing				Х				
Diaphyseal femur fracture plate/screw fixation				Χ				
Diaphyseal femur fracture spica cast application			Χ					
Fasciotomy for compartment syndrome				Χ				
Femoral non-union								
Femoral non-union (application of frame) +/- bone grafting				Χ				
Femoral non-union (without frame) +/- bone grafting				Х				
Reconstruction of avulsed proximal hamstrings				X				
·								
Subtrochanteric fracture								
Subtrochanteric fracture intramedullary fixation				Χ				
Subtrochanteric fracture plate/screw fixation				Χ				
Elective Hip								
Pelvis								
Sacrococcygeal joint injection / MUA			Χ					
Sacro-iliac joint injection			Х					
Hip								
Adductor tenotomy - hip			Χ					
Arthrodesis hip				Х				
Arthroscopy hip - diagnostic				Χ				
Arthroscopy hip - therapeutic				Χ				
Arthrotomy hip				Χ				
Aspiration / injection hip joint			Χ					
Excision arthroplasty hip (e.g. Girdlestone)				Χ				
Femoral head AVN								
Core decompression of femoral head for AVN				Χ				
Vascular graft femoral head for AVN				Χ				
	•	•						

Femeroacetabular impingement								
Open hip debridement for femeroacetabular impingement syndrome				Х				
Iliopsoas release / lengthening				Х				
Osteotomy pelvis - not for DDH				Х				
Revision THR								
1 stg of 2 stg rev infected THR - removal of prosthesis +/-insertion of cement spacer / antibiotic beads				Х				
2 stg of 2 stg rev infected THR - removal of spacer/beads				Χ				
Single stage revision THR acetabular component				Χ				
Single stage revision THR both components				Χ				
Single stage revision THR femoral component				Χ				
Total Hip Replacement								
THR cemented				Χ				
THR hybrid				Χ				
THR surface replacement				Χ				
THR uncemented				Х				
Femur								
Endoprosthetic replacement for malignant bone tumour - femur				Х				
Femoral malunion correction or other deformity				Х				
Osteotomy corrective (not for DDH)				Χ				
APPLIED CLINICAL SKILLS: KNEE	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
Trauma Knee								
Was a			1					1

Osteolomy corrective (not for DDH)				^				ļ
ADDITED CHANGAL CHILLO, MALE	CEY	CDD	DODG	DD 4	BACE	ICD Co-+!- 4	ICD Co-+!- C	CAAD
APPLIED CLINICAL SKILLS: KNEE	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
Trauma Knee								
Knee								
Acute arthroscopy for knee trauma				Χ				
Application of spanning external fixator				Χ				
Intraarticular fracture distal femur ORIF				Х				
Irrigation and debridement native joint for infection (open or arthroscopic) - knee				Χ				
Irrigation and debridement prosthesis for infection - knee				Х				
Knee MUA +/- POP			Х					
Patella fracture								
Patella dislocation closed reduction +/- open repair				Х				
Patella fracture ORIF				X				
Patellectomy				Х				
Periprosthetic fracture of knee								
Open reduction and fixation of periprosthetic fracture - knee				Χ				
Revision TKR for periprosthetic fracture of knee				Х				
Soft tissue repair								
Acute ligament repair				Χ				
Patella tendon repair				Х				
Quadriceps tendon repair				Х				
Supracondylar fracture (not intraarticular)								
Supracondylar fracture (not intraarticular) Supracondylar fracture (not intraarticular) DCS / blade plate etc				Х				
Supracondylar femur fracture (not intraarticular) external fixation				X				
Supracondylar femur fracture (not intraarticular) Intramedullary fixation				Х				
Supracondylar femur fracture (not intraarticular) MUA & POP			Х					
Tibial plateau fracture								
Repair of tibial spine				Χ				
Tibial plateau fracture arthroscopically assisted fixation				Х				
Tibial plateau fracture ORIF with plates & screws				Χ				
Tibial plateau fracture treatment with circular frame				Х				
·								
Tibia & Fibula								
Diaphyseal tibial fracture								
Diaphyseal tibial fracture external fixation (including frame)				Χ				
Diaphyseal tibial fracture intramedullary nailing				X				
				^				
Diaphyseal tibial fracture MUA & POP			Х					
Tibial shaft plating				X				
Fasciotomy for compartment syndrome				Χ				
Tibial non-union								
Tibial non-union circular frame management				X				
Tibial non-union intramedullary nailing +/- bone grafting				Χ				
Tibial non-union ORIF +/- bone grafting				Χ				
Elective Knee								
Knee								
Arthroscopic partial meniscectomy			Х	Х				
Arthroscopic procedures								
Arthroscopic excision of Hoffa's fat pad				Х				
Arthroscopic lateral release				X				
·								
Arthroscopic menisectomy				X				
Arthroscopic removal loose bodies knee				Х				
Arthroscopic synovectomy				Х				
Arthroscopy knee diagnostic			Х	Χ				
Meniscal repair (arthroscopic)				Χ				
Aspiration / injection knee joint			Χ					
Below knee amputation				Χ				
		Į.						

Cartilage regeneration procedures								
Abrasion arthroplasty / microfracture - knee				Χ				
Mosaicplasty - knee				Χ				
Osteochondral allografting - knee				Χ				
Autologous chondrocyte implantation				Χ				
Knee arthroplasty								
Patella resurfacing alone				Χ				
Patello-femoral joint replacement				Χ				
TKR				Χ				
Unicompartmental knee replacement				Χ				
MUA knee			Х					
Osteotomy distal femoral				Χ				
Osteotomy proximal tibial				Χ				
Patella realignment				Χ				
Patella tendon decompression (open / arthroscopic)				Χ				
Release contracture knee				Χ				
Revision TKR								
1 stg of 2 stg rev infected TKR - removal of prosthesis +/- insertion of cement spacer / antibiotic beads				Χ				
2 stg of 2 stg rev infected TKR - removal of spacer/beads				Χ				
Revision TKR for periprosthetic fracture of knee				Χ				
Single stage revision TKR				Χ				
								
Soft tissue reconstruction					<u> </u>			<u> </u>
ACL reconstruction - arthroscopic				X				<u> </u>
ACL reconstruction - open				X				<u> </u>
Reconstruction of posterolateral corner of knee				X				
PCL reconstruction				X				
Revision ACL reconstruction				Х				
Tibia & Fibula								
Endoprosthetic replacement for malignant bone tumour - tibia				Х				
Tibia or fibula malunion correction or other deformity				Х				
Tibial lengthening				X			1	†
		<u>I</u>	<u>I</u>		<u> </u>	1	1	1
ADDITED CLINICAL SKILLS: FOOT AND ANKLE	CEV	CRD	DODS	DRA	NACE	ISB Section 1	ISB Section 2	GMD

APPLIED CLINICAL SKILLS: FOOT AND ANKLE	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
Trauma Foot and Ankle								
Ankle								
Ankle fracture / dislocation:								
Ankle fracture / dislocation MUA & POP			Х					
Ankle fracture / dislocation ORIF				Х				
Application of spanning external fixator				Х				
Irrigation and debridement native joint for infection - ankle				X				
Irrigation and debridement prosthesis for infection - ankle				X				
and desirate prostricts for infection and				-,-				
Pilon fracture								
Pilon fracture ex-fix				Х	1			
Pilon fracture ORIF				X				
Pilon fracture treatment with circular frame				X				
Filoti fracture treatment with circular frame								
Foot								
				Х			+	
Amputation toe / ray for trauma Calcaneal fracture				^				
				V				
Calcaneal fracture ex-fix				X				
Calcaneal fracture ORIF				X				
Metatarsal fracture ORIF			.,	X				
Phalangeal fracture MUA +/- K wire +/- ORIF			X	Х				
Removal foreign body from skin / subcutaneous tissue			Х					
Talar subtalar or midtarsal fracture / dislocation								
Lisfranc fracture ORIF				Х				
Midtarsal fracture / dislocation ORIF				Х				
Subtalar fracture / dislocation ORIF				Х				
Talar fracture / dislocation ORIF				Χ				
Talectomy				Χ				
Tarsometatarsal arthrodesis				Χ				
Achilles tendon repair			Х	Χ				
Tendon repair in foot				Χ				
Elective Foot and Ankle								
Ankle								
Arthrodesis ankle (open /arthroscopic)				Χ				
Arthroplasty ankle				Χ				
Arthroscopic procedures								
Arthrodesis ankle - arthroscopic				Χ				
Arthroscopy ankle diagnostic			Х	Х				
Arthroscopy ankle therapeutic				Х				
Arthrotomy ankle				X				
			Х		 			1
Aspiration / injection ankle joint			Ι Λ					

							1	
Ligament repair / reconstruction								
Ankle - lateral ligament reconstruction				Х				
Ankle - lateral ligament repair				Х				
Ankle - medial ligament repair				Х				
7 time The Grant Ingarite trepail				, ,				
Tondon procedures								
Tendon procedures								
Decompression tendons at ankle			Χ					
Gastrocnemius lengthening				Х				
Tendo achilles reconstruction for neglected rupture				Χ				
Tendo-achilles lengthening				Х				
Foot								
				Х				
Akin osteotomy of proximal phalanx great toe								
Amputation toe / ray				Х				
Ankle chielectomy				Х				
Aspiration / injection foot joint			Х					
Arthrodesis procedures								
Ankle				Х				
Hindfoot				Х				
Midtarsal				X				
Forefoot and toes				X				
i dicioul allu lues				^				
OSTEOTOMY								
Calcaneal osteotomy	L			Χ				
Excision Haglund's deformity				Х				
Excision of accessory navicular				Х				
Excision of tarsal coalition				X				
Pantalar arthrodesis				Х				
First metatarsal osteotomy								
First metatarsal osteotomy - basal				Х				
First metatarsal osteotomy - distal				Х				
First metatarsal osteotomy – other				Х				
First metatarsal osteotomy - Scarf				Χ				
First MTPJ procedures				, ,				
First MTPJ arthrodesis				Х				
First MTPJ cheilectomy				Х				
First MTPJ excision arthroplasty				Х				
First MTPJ replacement arthroplasty (silastic or other)				Χ				
First MTPJ soft tissue correction				Χ				
Foot malunion correction or other deformity				Х				
Forefoot arthroplasty (Mann Thompson / Stainsby / Other				X				
			V					
Ingrowing toenail operation			Х	.,				
Lesser metatarsal osteotomy				Х				
Lesser toe excision part/all phalanx			Χ	Х				
MTPJ cheilectomy - not 1st				Х				
Soft tissue procedures								
Excision of Morton's neuroma				Х				
Fifth toe soft tissue correction				X				
			V					
Lesser toe tenotomy	-		Х					
Plantar fascia release				Х				
Tendon decompression or repair				Χ				
Tendon transfer foot				Χ				
Tibialis posterior reconstruction								
Talectomy				Х				
·	 			X				
Wedge tarsectomy	<u> </u>			^			<u> </u>	
	_							
APPLIED CLINICAL SKILLS: CHILDREN'S TRAUMA & ORTHOPAEDICS	CEX	CBD	DOPS	PBA	MSF	ISB Section 1	ISB Section 2	GMP
Trauma Paediatrics								
Supracondylar elbow fracture								
Supracondylar elbow fracture MUA +/- percutaneous wires			Χ	Χ				
Supracondylar elbow fracture open reduction	1			Х				
Sapitation and in actual of open reduction								
Foregram fractures	-							\vdash
Forearm fractures	-							
Manipulation and POP forearm	1		Y					

Supracondylar elbow fracture Supracondylar elbow fracture MUA +/- percutaneous wires Supracondylar elbow fracture MUA +/- percutaneous wires Supracondylar elbow fracture open reduction Supracondylar elbow fracture open reduction K X X S Supracondylar elbow fracture open reduction Forearm fractures Manipulation and POP forearm Manipulation and POP forearm X X S SIIpped upper feoral epidy sis SIIpped upper femoral epiphysis SIIpped upper femoral epiphysis SIIpped upper femoral epiphysis percutaneous cannulated screw fixation SIIpped upper femoral epiphysis SIIpped		+				
Supracondylar elbow fracture MUA +/- percutaneous wires Supracondylar elbow fracture open reduction Forearm fractures Manipulation and POP forearm Manipulation and K wire forearm Titanium elastic nailing paediatric long bone Slipped upper femoral epiphysis Dunn procedure for slipped upper femoral epiphysis Slipped upper femoral epiphysis percutaneous cannulated screw fixation Drainage of septic arthritis of the hip Repair of avulsion of tibial eminence ORIF paediatric ankle fracture Obstetric brachial plexus injury: exploration / repair / grafting Elective Paediatrics Cerebral Palsy Adductor tenotomy - hip Botulinum toxin injection - musculoskeletal Hamstring lengthening	Trauma Paediatrics					
Supracondylar elbow fracture open reduction Forearm fractures Manipulation and POP forearm Manipulation and K wire forearm Titanium elastic nailing paediatric long bone Slipped upper femoral epiphysis Dunn procedure for slipped upper femoral epiphysis Dunn procedure for slipped upper femoral epiphysis Slipped upper femoral epiphysis percutaneous cannulated screw fixation Drainage of septic arthritis of the hip Repair of avulsion of tibial eminence ORIF paediatric ankle fracture Obsteric brachial plexus injury: exploration / repair / grafting Elective Paediatrics Cerebal Palsy Adductor tenotomy - hip Botulinum toxin injection - musculoskeletal Hamstring lengthening X X Hamstring lengthening	Supracondylar elbow fracture					
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Manipulation and POP forearm Manipulation and K wire forearm Titanium elastic nailing paediatric long bone Slipped upper femoral epiphysis Dunn procedure for slipped upper femoral epiphysis Slipped upper femoral epiphysis percutaneous cannulated screw fixation Trainage of septic arthritis of the hip Drainage of septic arthritis of the hip Repair of avulsion of tibial eminence ORIF paediatric ankle fracture Obstetric brachial plexus injury: exploration / repair / grafting Elective Paediatrics Cerebral Palsy Adductor tenotomy - hip Botulinum toxin injection - musculoskeletal Hamstring lengthening X X A A B A B A B A B A B A B B						
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ORIF paediatric ankle fracture Obstetric brachial plexus injury: exploration / repair / grafting Elective Paediatrics Cerebral Palsy Adductor tenotomy - hip Botulinum toxin injection - musculoskeletal Hamstring lengthening	Drainage of septic arthritis of the hip		Χ			
Obstetric brachial plexus injury: exploration / repair / grafting Elective Paediatrics Cerebral Palsy Adductor tenotomy - hip Botulinum toxin injection - musculoskeletal Hamstring lengthening	Repair of avulsion of tibial eminence			Χ		
Elective Paediatrics Cerebral Palsy Adductor tenotomy - hip Botulinum toxin injection - musculoskeletal Hamstring lengthening	ORIF paediatric ankle fracture			Χ		
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Cerebral Palsy Adductor tenotomy - hip Botulinum toxin injection - musculoskeletal Hamstring lengthening						
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Botulinum toxin injection - musculoskeletal Hamstring lengthening X X X	Cerebral Palsy					
Hamstring lengthening X	Adductor tenotomy - hip			Х		
	Botulinum toxin injection - musculoskeletal		Χ			
Illionsoas release / lengthening	Hamstring lengthening			Χ		
mopoda release / rengarening	Iliopsoas release / lengthening			Χ		

MTPJ arthrdoesis Patella realignment Steindler's release Tendo-achilles lengthening			X		
Steindler's release			V		
			^		
Tendo-achilles lengthening			Χ		
			Χ		
Tendon transfer foot			Χ		
Tendon transfer not hand / foot			Χ		
CTEV correction					
Arthrodesis for recurrence for CTEV			Χ		
Bony release for recurrence for CTEV			Χ		
CTEV correction			Χ		
lizarov correction for CTEV			Χ		
Percutaneous tendo-achilles release for CTEV			Χ		
Posterior release for CTEV			Χ		
Postero-medial release for CTEV			Χ		
Soft tissue release for recurrence for CTEV			Χ		
Tibilialis anterior transfer for CTEV			Χ		
DDH					
Application of hip spica		Х			
Hip MUA		Х			
Open reduction for DDH			Χ		
Osteotomy hip - pelvic for DDH			Χ		
Osteotomy hip - proximal femoral for DDH			Χ		
Distraction lengthening of bone upper limb			Χ		
Excision of physeal bar (Langenskjold procedure)			Χ		
Femoral lengthening			Χ		
GA change of POP		Χ			
Repair of avulsion of tibial eminence (child)			Χ		
Sternomastoid release (torticollis)			Χ		
Tibial lengthening			Χ		