

Log Book Iraqi board - Fracture and Orthopedic Surgery

The Defined Levels of Competence

1= Has observed = (O)

2= Can assist = (A)

3= Can do under supervision = (S)

Part (I)

Trauma procedures

By the end of the training program all trainees have to demonstrate competence in the procedures below to the defined level

Note:

Trauma Procedures ***BETTER*** to be performed ***by the end of the 3rd year*** (During Year 2 & 3), Tables (1-5)

Table 1 ; trauma general

Trauma General						
Procedure and level of competence		2nd. year / No. of cases	3rd. year / No. of cases	4th. year / No. of cases	5th. year / No. of cases	Final Total number
1	Free flap / 1					
2	Full thickness skin graft / 2					
3	Muscle flap / 1					
4	Nerve repair / 2					
5	Pedicle flap / 1					
6	Removal external fixator or frame / 3					
7	Removal foreign body from skin / subcutaneous tissue / 3					
8	Removal K wires or skeletal traction / 3					
9	Split skin graft / 2					
10	Trans positional flap / 1					
11	Wound closure, delayed primary or secondary / 3					
12	Wound Debridement / 3					
13	Closed management of fractures and plaster application / 3					
Name of candidate and signature / Date:						
Name of supervisor and signature / Date:						

Table 2 ; trauma spine

Trauma spine					
Procedure and level of competence	2nd. year / No. of cases	3rd. year / No. of cases	4th. year / No. of cases	5th. year / No. of cases	Final Total number
Cervical Spine					
1	Anterior fixation fracture / dislocation cervical spine / 2				
2	Cervical spine traction / tong traction cervical spine / 1				
3	MUA fracture / dislocation cervical spine / 2				
4	Posterior fixation fracture / dislocation cervical spine / 2				
Thoracic Spine					
5	Anterior decompression / fixation thoracic spine / 1				
6	Posterior decompression / fixation thoracic spine / 2				
Lumbar Spine					
7	Anterior decompression / fixation lumbar spine / 2				
8	Posterior decompression / fixation lumbar spine / 2/3				
Name of candidate and signature / Date:					
Name of supervisor and signature / Date:					

Table 3 ; trauma pelvis

Trauma Pelvis						
Procedure and level of competence		2nd. year / No. of cases	3rd. year / No. of cases	4th. year / No. of cases	5th. year / No. of cases	Final Total number
1	Acetabular fracture ORIF / 1/2					
2	Pelvic fracture external fixator application / 3					
3	Pelvic fracture ORIF / 1/2					
Name of candidate and signature / Date:						
Name of supervisor and signature / Date:						

Table 4 ; trauma upper limb

Trauma Upper Limb						
Procedure and level of competence	2nd. year / No. of cases	3rd. year / No. of cases	4th. year / No. of cases	5th. year / No. of cases	Final Total number	
Clavicle						
1	ORIF clavicle fracture / 1/2					
2	ORIF non-union clavicle fracture / 1					
Shoulder						
3	Anterior dislocation shoulder closed reduction / 3					
4	Anterior dislocation shoulder open reduction +/- fixation / 2/3					
5	Acromioclavicular joint dislocation acute ORIF / 1/2					
6	Fracture proximal humerus ORIF / 2					
Humeral Shaft						
7	Fracture diaphysis humerus POP +/- MUA / 2/3					
8	Fracture diaphysis humerus ORIF plating/ 2/3					
9	Fracture diaphysis humerus IM nailing / 2/3					
10	Non-union ORIF +/- bone grafting / 2/3					
Elbow						
11	Dislocated elbow +/- fracture closed reduction / 3					
12	Dislocated elbow +/- fracture open reduction +/- fixation / 3					
13	Intra-articular distal humerus fracture ORIF / 2/3					
14	Lateral condyle fracture ORIF / 3					
15	Medial condyle / epicondyle fracture MUA / K wire / ORIF / 3					
16	Olecranon fracture ORIF / 3					

17	Radial head / neck fracture MUA +/- K wire/ excision / 3					
18	Radial head / neck fracture ORIF / 1					
19	Supracondylar fracture MUA +/- K wires / 3					
20	Supracondylar fracture ORIF / 3					
Forearm						
21	Fasciotomy for compartment syndrome / 2/3					
22	Fracture shaft radius / ulna MUA & POP / 3					
23	Fracture shaft radius / ulna ORIF / 3					
24	Fracture distal radius MUA & POP / 3					
25	Fracture distal radius MUA & percutaneous wires / 3					
26	Fracture distal radius external fixation / 3					
27	Fracture distal radius ORIF / 2/3					
Wrist						
28	Carpal fracture / dislocation MUA & percutaneous wires/ MUA & POP/ ORIF / 1					
29	Scaphoid fracture non-op / 4					
30	Scaphoid fracture MUA & percutaneous wires / 1					
31	Scaphoid fracture ORIF / 2					
32	Scaphoid fracture non-union ORIF +/- graft / 2					
Hand						
33	Metacarpal fracture / dislocation POP & MUA / 3					
34	Metacarpal fracture / dislocation MUA & percutaneous wires / 3					
35	Metacarpal fracture / dislocation ORIF / 2/3					
36	Phalangeal fracture MUA +/- POP / 3					
37	Phalangeal fracture MUA & percutaneous wires / 3					
38	Phalangeal fracture ORIF / 2/3					
39	MCPJ fracture / dislocation MUA +/- POP / 3					
40	MCPJ fracture / dislocation MUA & Percutaneous wires / 3					
41	Extensor Tendon repair / 3					
42	Flexor Tendon repair / 2/3					

43	Finger tip reconstruction / 2/3					
44	Nail bed repair / 3					
45	Infected hand drainage (not tendon sheath) / 3					
46	Infection tendon sheath drainage / 2/3					
47	Hand compartment syndrome decompression / 2/3					
Name of candidate and signature / Date:						
Name of supervisor and signature / Date:						

Table 5 ; trauma lower limb

Trauma Lower Limb						
Procedure and level of competence		2nd. year / No. of cases	3rd. year / No. of cases	4th. year / No. of cases	5th. year / No. of cases	Final Total number
Hip						
1	Dislocated hip closed reduction / 3					
2	Dislocated hip open reduction +/- fixation / 2					
3	Intracapsular fracture internal fixation / 3					
4	Intracapsular fracture hemiarthroplasty (excluding bipolar) / 3					
5	Bipolar hemiarthroplasty / 3					
6	Intracapsular fracture THR / 1					
7	Extracapsular fracture CHS / DHS / 3					
8	Extracapsular fracture intramedullary fixation / 1					
9	Extracapsular fracture other fixation / 1					
Femur						
10	Subtrochanteric fracture plate/screw fixation / 2					
11	Subtrochanteric fracture intramedullary fixation / 2					
12	Diaphyseal fracture in children traction or spica / 3					
13	Diaphyseal fracture intramedullary nailing / 3					
14	Diaphyseal fracture plate/screw fixation / 3					
15	Diaphyseal fracture external fixator / 3					
16	Supracondylar fracture (not intraarticular) DCS / blade plate etc / 3					
17	Supracondylar fracture (not intraarticular) other fixation methods / 1					
18	Intraarticular fracture distal femur ORIF / 2					
Knee						
19	Acute haemarthrosis aspiration/ arthroscopy / 3					
20	Quadriceps tendon repair / 2/3					

21	Patella tendon repair / 2/3					
22	Acute ligament repair / 2					
23	Patella dislocation closed reduction +/- open repair / 3					
24	Patella fracture ORIF / 3					
25	Tibial plateau fracture ORIF with plates & screws / 3					
Tibia & Fibula						
26	Diaphyseal tibial fracture MUA & POP / 3					
27	Diaphyseal tibial fracture intramedullary nailing / 2/3					
28	Tibial shaft plating / 3					
29	Diaphyseal tibial fracture external fixation (including frame) / 3					
30	Fasciotomy for compartment syndrome / 3					
31	Tibial non-union management / 2/3					
Ankle						
32	Ankle fracture / dislocation MUA & POP / 3					
33	Ankle fracture / dislocation ORIF / 3					
34	Pilon fracture with external fixator / 2					
35	Pilon fracture ORIF / 1					
36	Tendoachilles repair / 1					
Foot						
37	Calcaneal fracture ORIF / 1					
38	Talar, subtalar or midtarsal fracture/ dislocation MUA +/-POP +/-K wires / 1					
39	Talar, Subtalar or midtarsal fracture/ dislocation ORIF / 1					
40	Lisfranc fracture ORIF / 1					
41	Metatarsal fracture ORIF / 2/3					
42	Phalangeal fracture MUA +/-K wire +/- ORIF / 3					
43	Amputation toe / ray for trauma / 3					
Name of candidate and signature / Date:						
Name of supervisor and signature / Date:						

Part (II)

Orthopedic procedures

By the end of the training program (Years 4 and 5) all trainees have to demonstrate competence in the procedures below to the defined level

Note:

Orthopedic Procedures **BETTER** to be performed **by the end of the 5th. year** (During Year 4 & 5), Tables (6-9)

Table 6 ; orthopedics / non-specific

Orthopedics / non-specific site						
	Procedure and level of competence	2nd. year / No. of cases	3rd. year / No. of cases	4th. year / No. of cases	5th. year / No. of cases	Final Total number
1	Aspiration / injection joint / 3					
2	Benign tumor excision (not Exostoses) / 3					
3	Biopsy bone – needle Biopsy bone - open / 2/3					
4	Bursa excision / 3					
5	Cyst bone curettage +/- bone graft / 3					
6	Epiphysiodesis / 1/2					
7	Malignant tumor excision / 2					
8	Drainage of acute infection of bone and joints / 3					
Name of candidate and signature / Date:						
Name of supervisor and signature / Date:						

Table 7 ; orthopedics / spine

Orthopedics / Spine					
Procedure and level of competence	2nd. year / No. of cases	3rd. year / No. of cases	4th. year / No. of cases	5th. year / No. of cases	Final Total number
Cervical spine					
1	Anterior decompression +/- fixation/ fusion (C2-C7) / 1/2				
2	Atlantoaxial fixation +/- fusion / 1/2				
3	Biopsy cervical spine / 2				
4	Excision cervical / 1st rib / 1/2				
5	Nerve root / facet joint injection cervical spine / 1/2				
6	Occipito-cervical fusion +/- fixation / 1/2				
7	Posterior decompression +/- fixation/ fusion (C2-C7) / 2/3				
Thoracic spine					
8	Anterior decompression +/- fixation/ fusion / 1/2				
9	Biopsy thoracic spine / 2				
10	Posterior decompression +/- fixation/ fusion / 1/2				
11	Scoliosis correction – anterior release +/- instrumentation / 1/2				
12	Scoliosis correction – posterior fusion +/- instrumentation / 1/2				
Lumbar spine					
13	Caudal epidural injection / 2/3				
14	Decompression lumbar spine with fusion +/- fixation / 2/3				
15	Decompression lumbar spine without fusion (not discectomy alone) / 2/3				
16	Discectomy open / micro / 1/2				
17	Nerve root / facet joint injection lumbar spine / 2				
Name of candidate and signature / Date:					
Name of supervisor and signature / Date:					

Table 8 ; orthopedics / upper limb

Orthopedics / Upper Limb					
Procedure and level of competence	2nd. year / No. of cases	3rd. year / No. of cases	4th. year / No. of cases	5th. year / No. of cases	Final Total number
Shoulder					
1	Acromio-clavicular joint excision-arthroscopic / open / lateral clavicle / 1/2				
2	Acromio-clavicular joint reconstruction (e.g. Weaver Dunn) / 1/2				
3	Acromioplasty open / 1/2				
4	Anterior repair for instability arthroscopic/open / 1/2				
5	Arthroscopy subacromial decompression/ 1/2				
6	Arthroscopy diagnostic / 2				
7	Rotator cuff repair (open or arthroscopic) +/- acromioplasty / 1/2				
8	Total shoulder replacement / 1/2				
Elbow					
9	Arthrotomy elbow / 3				
10	Excision radial head +/- synovectomy / 3				
11	Tennis / golfer elbow release / 3				
12	Ulnar nerve decompression /transposition / 3				
Wrist					
13	Arthrodesis wrist (includes partial arthrodesis) / 1				
14	Carpal tunnel decompression / 3				
15	De Quervain's decompression / 3				
16	Excision distal ulna / 3				
17	Ganglion excision at wrist / 3				
18	Ulna shortening / 3				
19	Ulnar nerve decompression at wrist / 2/3				

Hand						
20	Fusion of MCPJ or IPJ / 2					
21	Soft tissue reconstruction hand / 2					
22	Tendon transfer hand / 2					
23	Trigger finger release / 3					
24	Trigger thumb release / 3					
Name of candidate and signature / Date:						
Name of supervisor and signature / Date:						

Table 9 ; orthopedics / lower limb

Orthopedics / Lower Limb						
Procedure and level of competence		2nd. year / No. of cases	3rd. year / No. of cases	4th. year / No. of cases	5th. year / No. of cases	Final Total number
Hip						
1	Arthrotomy hip (drainage) / 3					
2	Excision arthroplasty hip (e.g. Girdlestone) / 1					
3	Open reduction for DDH / 2/3					
4	Osteotomy hip - pelvic for DDH / 2					
5	Osteotomy hip - proximal femoral for DDH / 2					
6	Revision of Hip Replacement / 2					
7	Slipped femoral epiphysis pinning / 2/3					
8	THR cemented/ hybrid/ surface replacement/ uncemented / 2/3					
Femur						
9	Amputation above knee / 3					
10	Femoral lengthening / 2					
11	Proximal femoral osteotomy (not DDH) / 2/3					
knee						
12	ACL reconstruction / 2/3					
13	Arthroscopic lateral release / 2/3					
14	Arthroscopic partial meniscectomy / 2/3					
15	Arthroscopic removal loose bodies knee / 2/3					
16	Arthroscopic knee diagnostic / 2/3					
17	Osteotomy distal femoral / 2/3					
18	Osteotomy proximal tibial / 2/3					
19	Patella realignment / 2					
20	TKR / 2/3					
21	Revision TKR / 1/2					

Tibia & Fibula						
22	Amputation below knee / 3					
23	Tibial lengthening / 2					
Ankle						
24	Arthrodesis ankle / 3					
25	Arthrotomy ankle / 3					
26	Decompression tendons at ankle / 3					
27	Tendoachilles lengthening / 3					
Foot						
28	Amputation toe / ray / 3					
29	Calcaneal osteotomy / 1/2					
30	CTEV correction non-operative / 3					
31	CTEV correction operative / 2/3					
32	Fifth toe soft tissue correction / 1					
33	First metatarsal osteotomy / 3					
34	First MTPJ soft tissue correction / 3					
35	Hind-foot arthrodesis / 3					
36	In growing toenail operation / 3					
37	Tendon decompression or repair / 2					
38	Tendon transfer foot / 2					
39	Wedge tarsectomy / 2/3					
Name of candidate and signature / Date:						
Name of supervisor and signature / Date:						

Part (III) MUST DO LIST

Note:

For all candidates, by the end of the training program these operations must be mastered by everyone all through the 5 years of training. **Table (10)**

Table 10 ; orthopedics / MUST DO LIST

MUST DO LIST						
Procedure and level of competence		2nd. year / No. of cases	3rd. year / No. of cases	4th. year / No. of cases	5th. year / No. of cases	Final Total number
1	Removal external fixator or frame / 3					
2	Removal foreign body from skin / subcutaneous tissue / 3					
3	Removal K wires or skeletal traction / 3					
4	Wound closure, delayed primary or secondary / 3					
5	Wound Debridement / 3					
6	Closed management of fractures and plaster application / 3					
7	Anterior dislocation shoulder closed reduction / 3					
8	Fracture diaphysis humerus ORIF / 3					
9	Dislocated elbow +/- fracture closed reduction / 3					
10	Lateral condyle fracture ORIF / 3					
11	Medial condyle / epicondyle fracture MUA / K wire / ORIF / 3					
12	Olecranon fracture ORIF / 3					
13	Radial head / neck fracture MUA +/- K wire/ excision / 3					
14	Supracondylar fracture MUA +/- K wires / 3					
15	Fracture shaft radius / ulna MUA & POP / 3					

16	Fracture shaft radius / ulna ORIF / 3					
17	Fracture distal radius MUA & POP / 3					
18	Fracture distal radius MUA & percutaneous wires / 3					
19	Scaphoid fracture non-op / 3					
20	Metacarpal fracture / dislocation POP & MUA / 3					
21	Phalangeal fracture MUA +/- POP / 3					
22	MCPJ fracture / dislocation MUA +/- POP / 3					
23	Nail bed repair / 3					
24	Infected hand drainage (not tendon sheath) / 3					
25	Dislocated hip closed reduction / 2/3					
26	Intracapsular fracture internal fixation / 2/3					
27	Intracapsular fracture hemiarthroplasty (excluding bipolar) / 3					
28	Extracapsular fracture CHS / DHS / 3					
29	Diaphyseal fracture in children traction or spica / 3					
30	Diaphyseal fracture plate/screw fixation / 4					
31	Acute haemarthrosis aspiration/ arthroscopy / 3					
32	Patella fracture ORIF / 3					
33	Diaphyseal tibial fracture MUA & POP / 3					
34	Tibial shaft plating / 3					
35	Diaphyseal tibial fracture external fixation (including frame) / 3					
36	Fasciotomy for compartment syndrome / 3					
37	Ankle fracture / dislocation MUA & POP / 3					
38	Ankle fracture / dislocation ORIF / 3					
39	Amputation toe / ray for trauma / 3					
40	Aspiration / injection joint / 3					
41	Bursa excision / 3					
42	Drainage of acute infection of bone and joints / 3					
43	Arthrotomy elbow / 3					
44	Carpal tunnel decompression / 3					
45	De Quervain's decompression / 3					
46	Excision distal ulna / 2/3					
47	Ganglion excision at wrist / 3					
48	Trigger finger release / 3					

49	Trigger thumb release / 3					
50	Arthrotomy hip (drainage) / 3					
51	Slipped upper femoral epiphysis pinning/2/3					
52	Amputation above knee / 3					
53	Amputation below knee / 3					
54	Arthrotomy ankle / 3					
55	Decompression tendons at ankle / 3					
56	Tendoachilles lengthening / 3					
57	Amputation toe / ray / 3					
58	CTEV correction non-operative / 3					
59	Hind-foot arthrodesis / 2/3					
60	In growing toenail operation / 3					
61	TKR / 2/3					
62	SPINE posterior fusion/disc, decompression / 2/3					
63	Biopsy / 3					
64	Oncology surgery / 2/3					
65	Revision TKR / 1/2					
66	Arthroscopy knee / 2/3					
Name of candidate and signature / Date:						
Name of supervisor and signature / Date:						