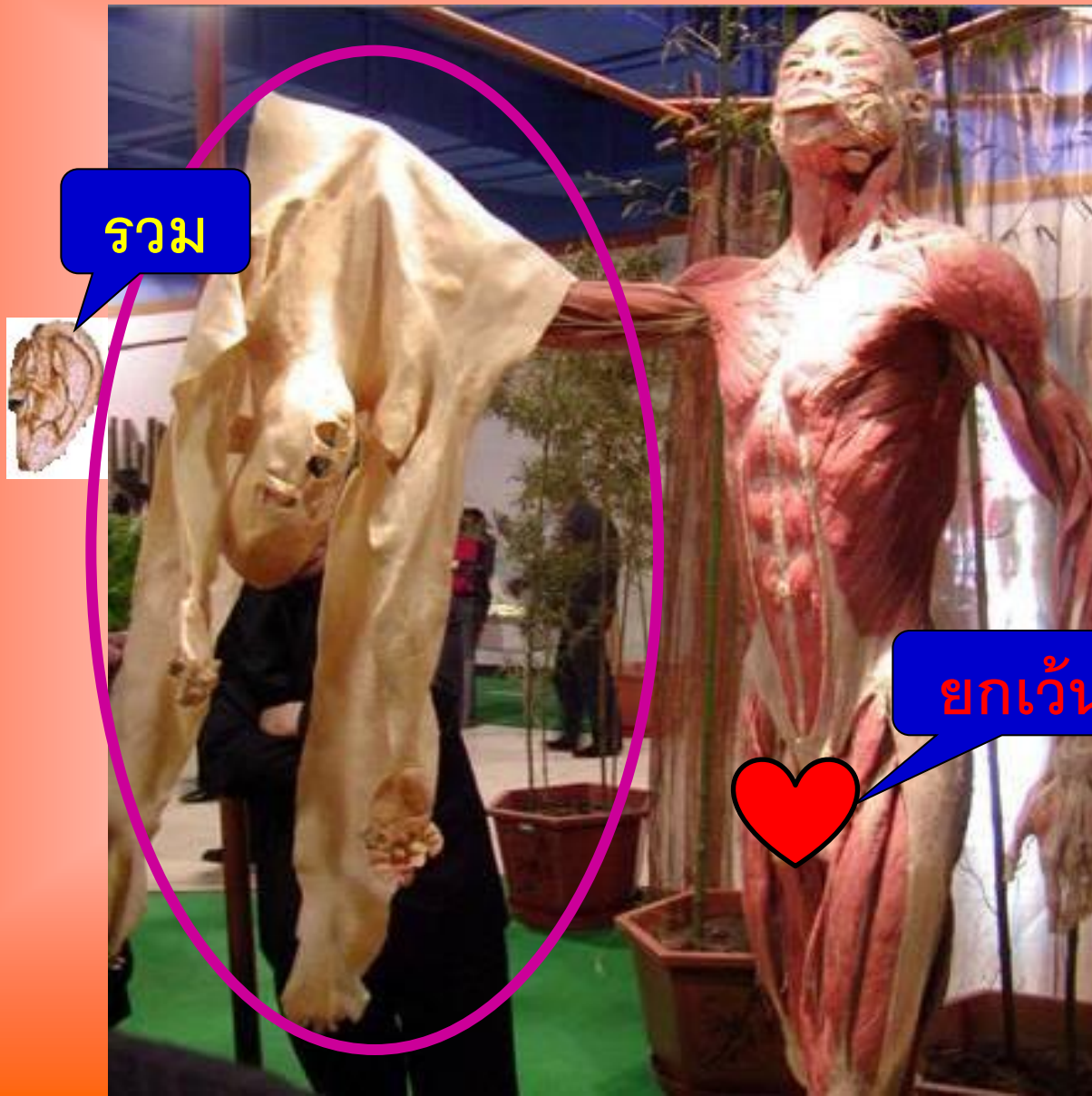


Abbreviated Injury Scale **Body Region**

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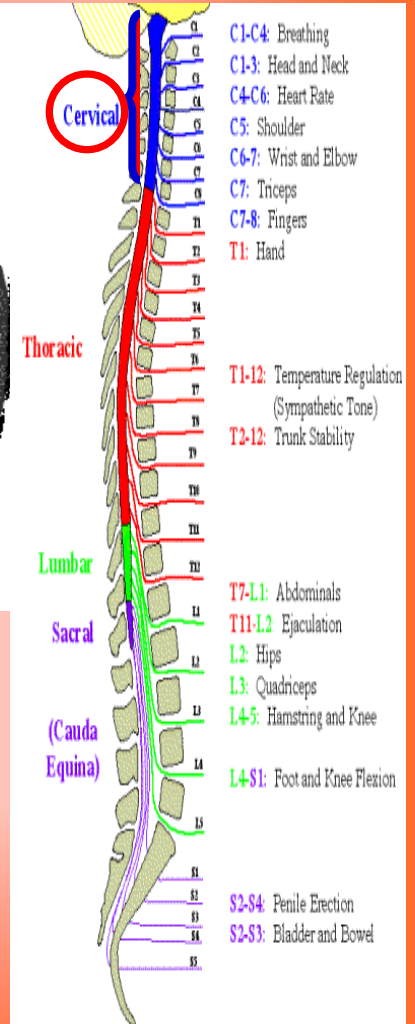
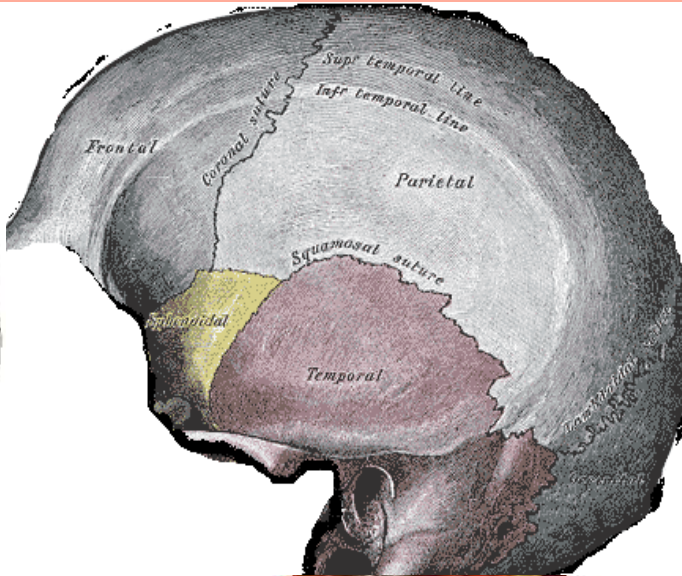
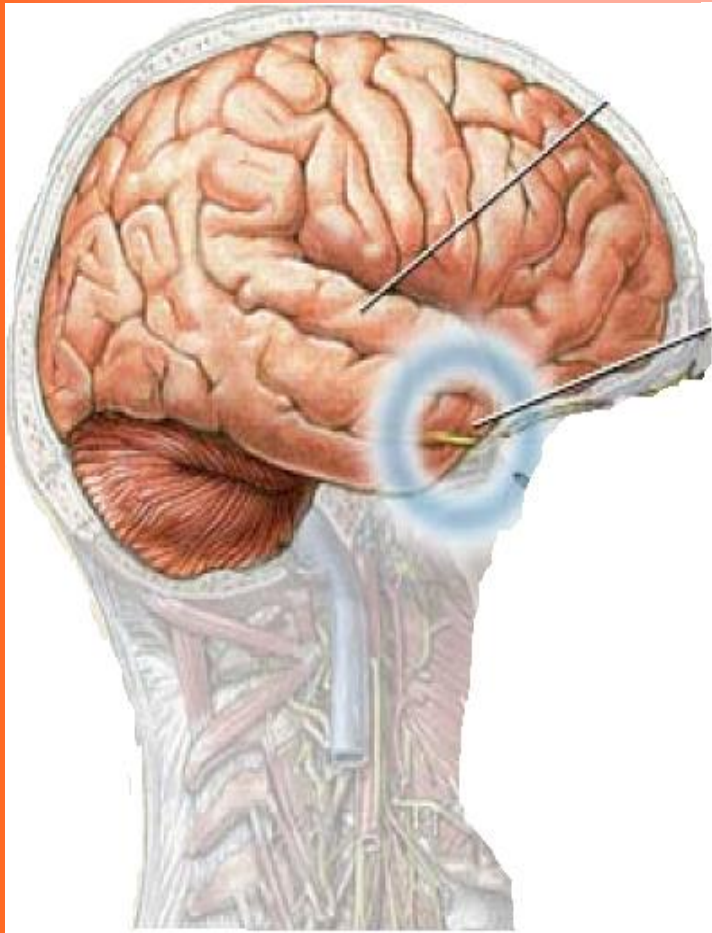
BR 6 = External & body surface



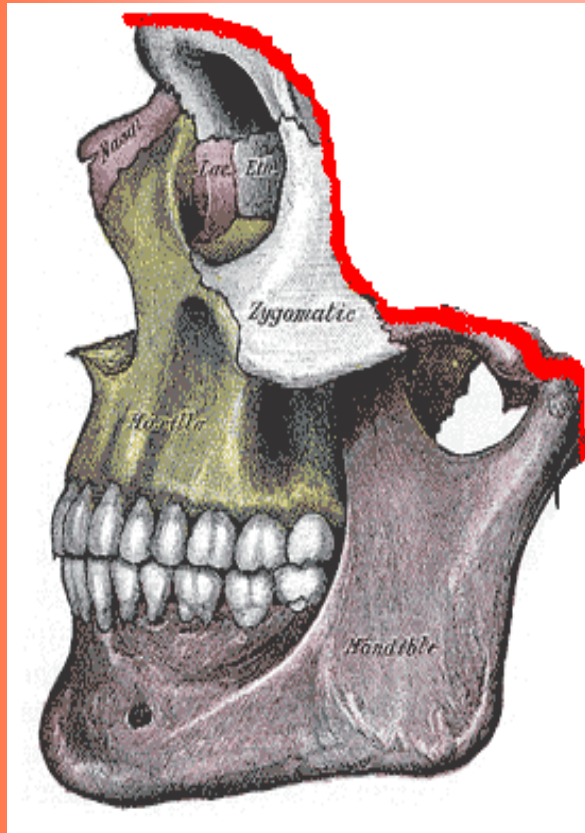
รวม

ยกเว้น

BR 1 = Head & Neck (include middle & inner ear)

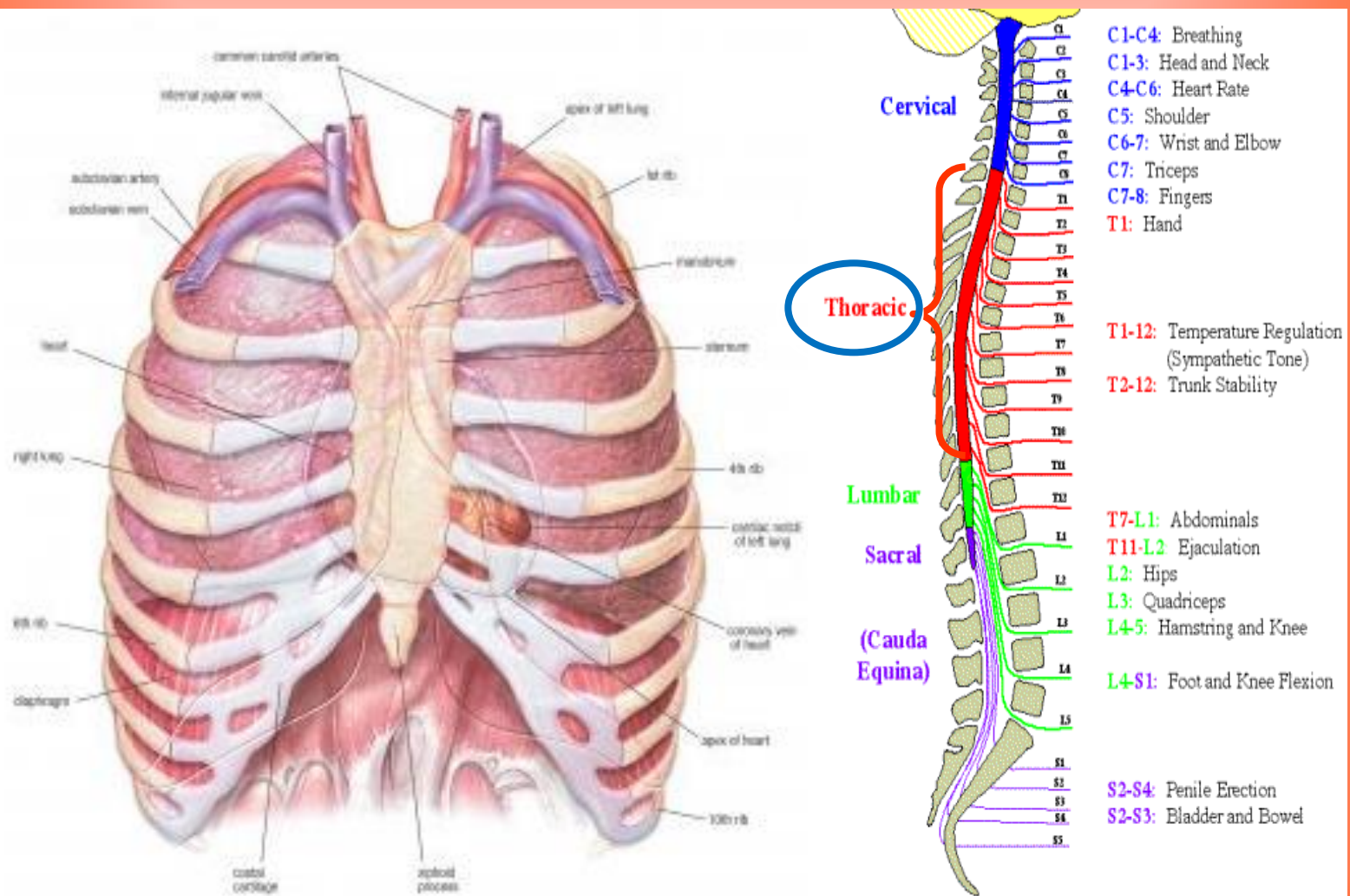


BR 2 = Face (include eyeballs)

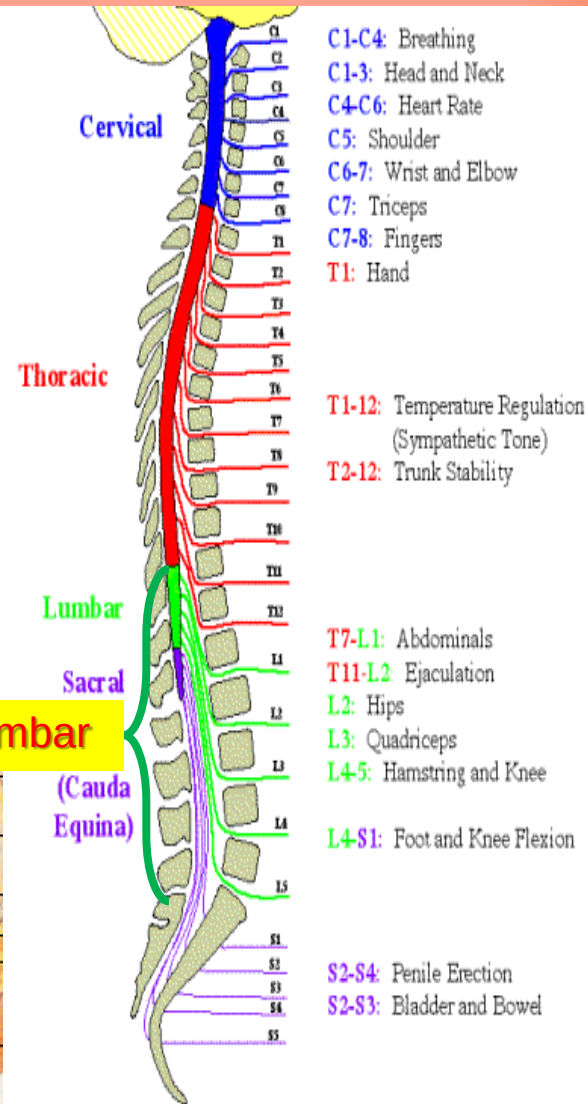
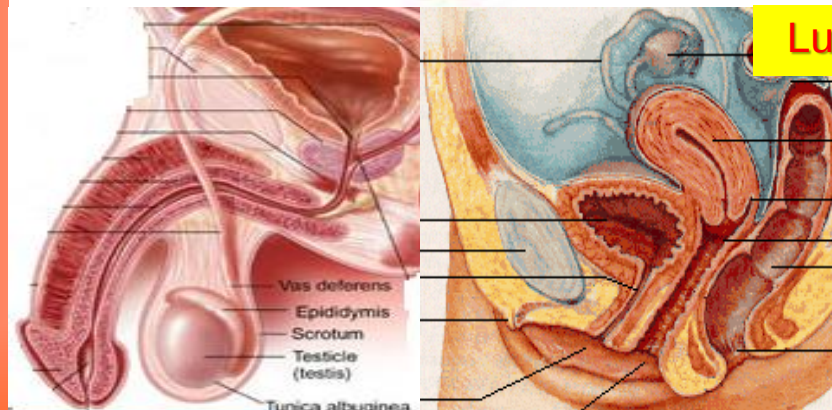


รวม

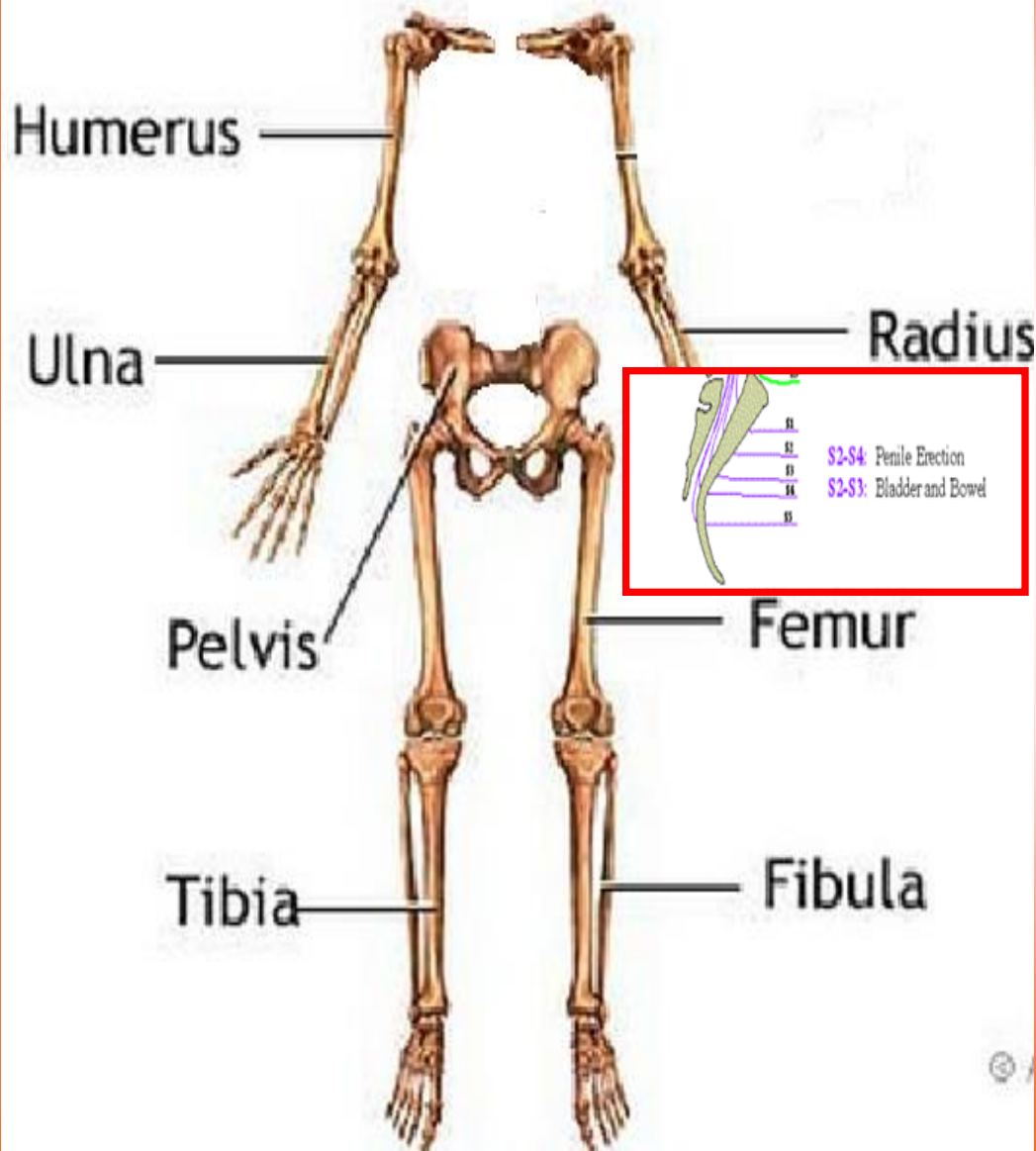
BR 3 = Thorax (chest)



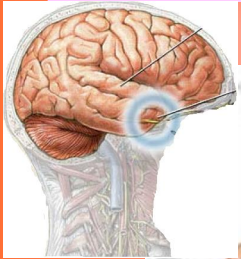
BR 4 = Abdomen and pelvic contents



BR 5 = Extremities & pelvic girdle



BR 1 = Head & Neck (include middle & inner ear)

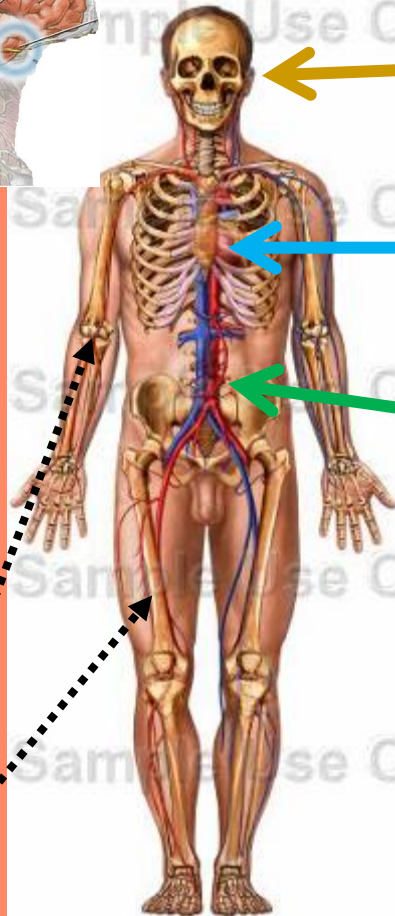


BR 2 = Face (include eyeballs)

BR 3 = Thorax (chest)

BR 4 = Abdomen and pelvic contents

BR 6 = External & body surface



BR 5 = Extremities & pelvic girdle

ICD 10

1-Main body

S12.34

3-Specific body

2-Type of injury

S0__ Head & Face

S1__ Neck

S2__ Chest

S3__ Abdomen

S4__ Upper arm

S5__ Elbow&Forearm

S6__ Hand&Finger

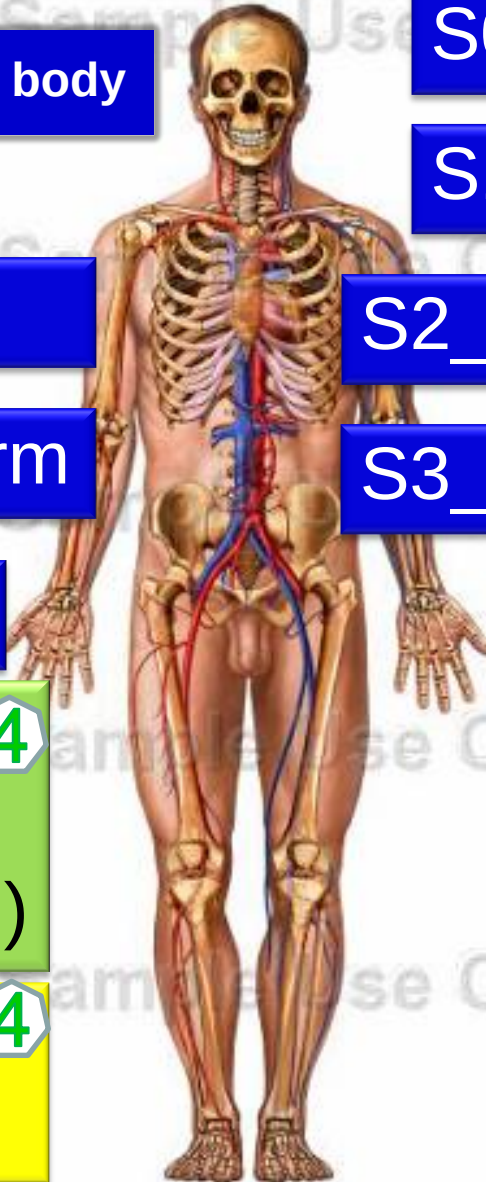
S7__ Upper leg

S8__ Lower leg

S9__ Foot & Toe

0=w/o open wound ④
1=with open wound
(S06, S26, S36, S37)

0= closed fracture ④
1= open fracture



BR 6 = External & body surface

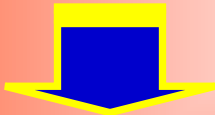
ICD-10

Abrasion & Laceration wound *****

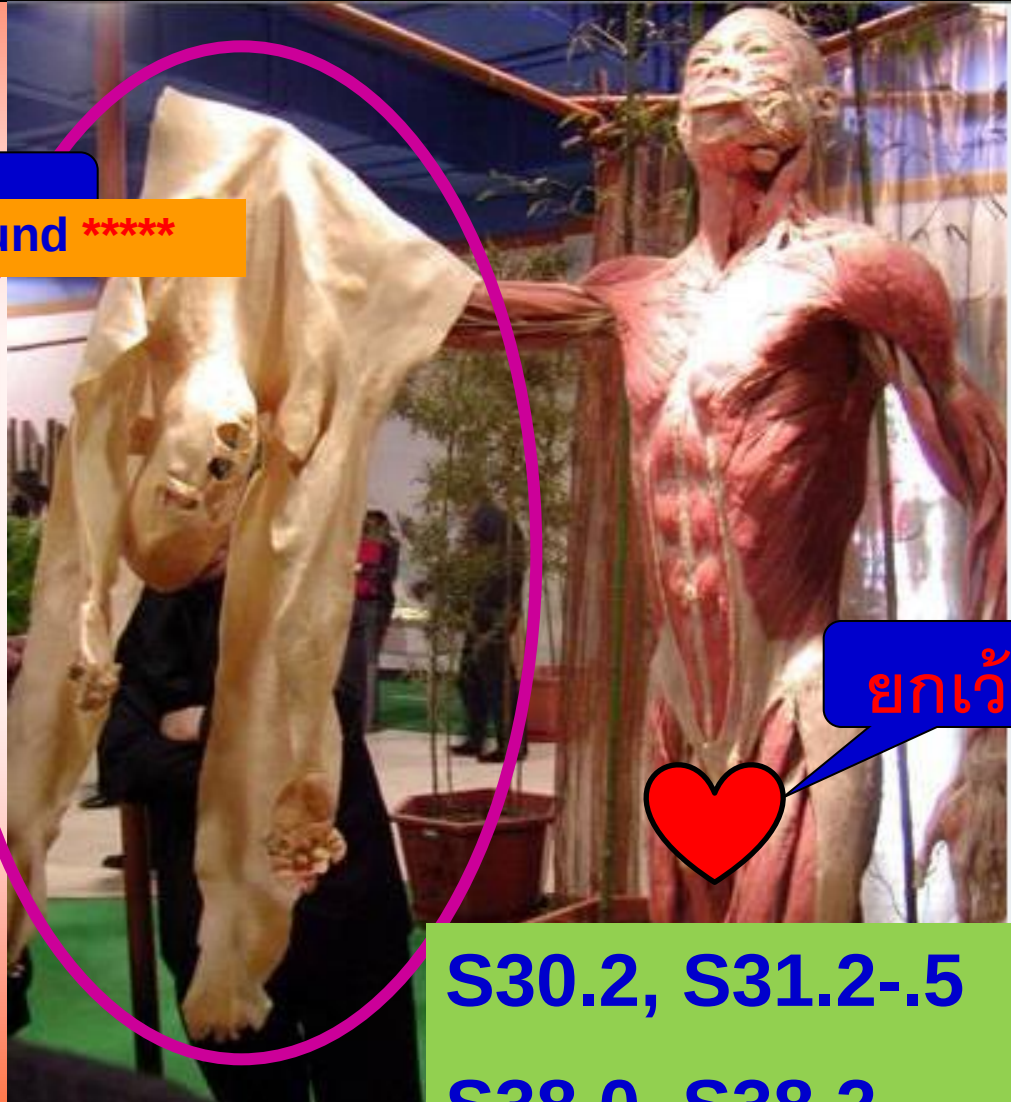
S00._ - S01._

S10._ - S11._

S20._ - S21._



S90._ - S91._



ยกเว้น

S30.2, S31.2-.5

S38.0, S38.2

BR 1 = Head & Neck (include middle & inner ear)

ICD-10

Head Injury

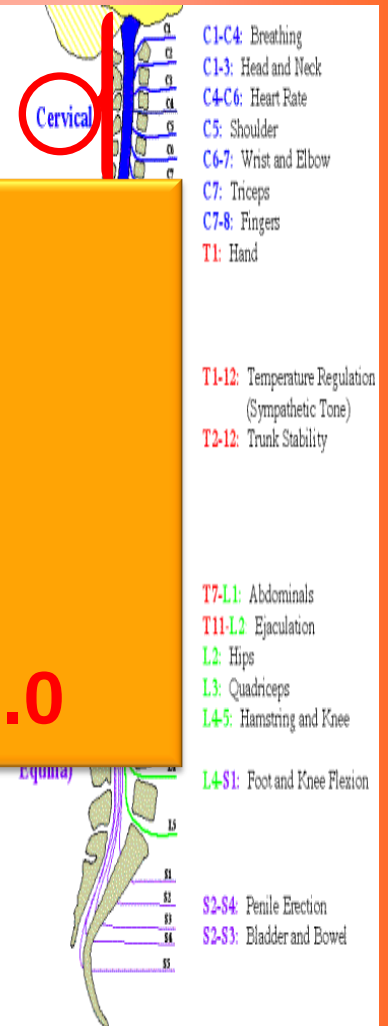
S02.0-1, S02.8-9

S04.0 – S04.9

S06.0 – S09.9 ยกเว้น S07.0

Neck Injury

S10.0 – S19.9



BR 2 = Face (include eyeballs)

ICD-10

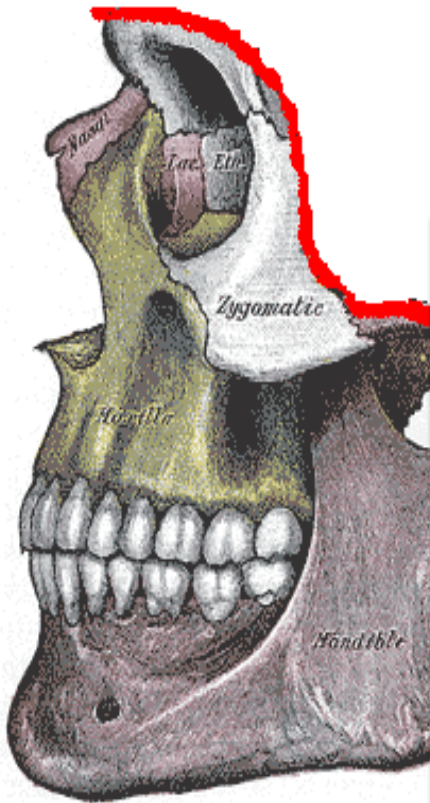
Face Injury

S01.5*

S02.2 – S03.5

S05.0 – S05.9

รวม



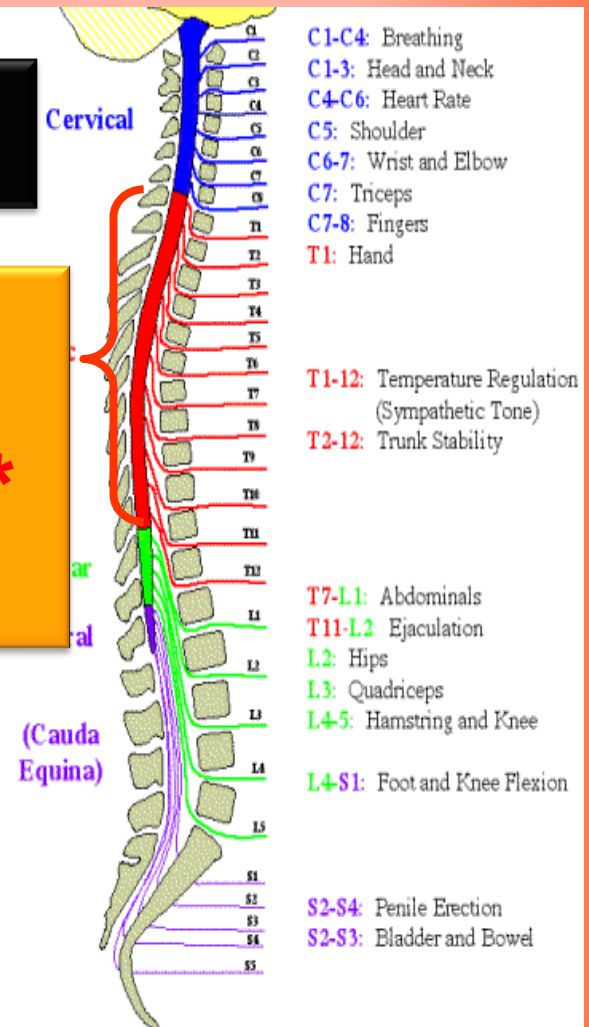
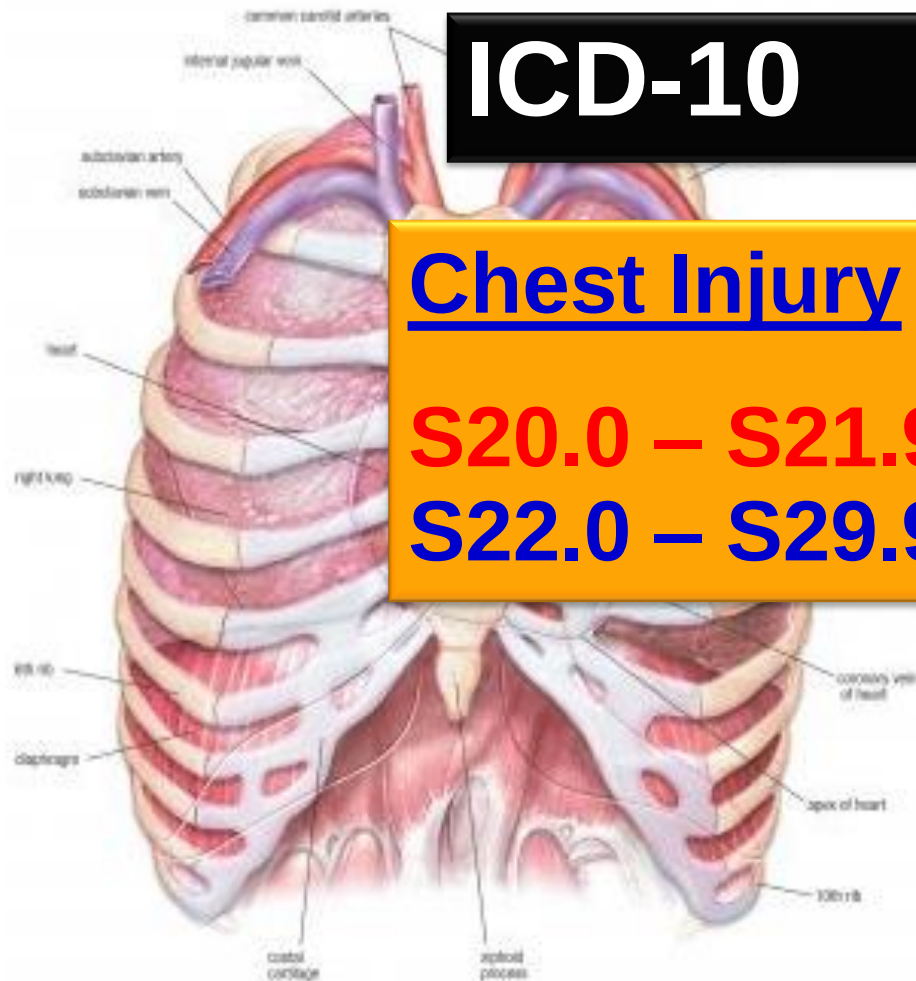
BR 3 = Thorax (chest)

ICD-10

Chest Injury

S20.0 – S21.9*

S22.0 – S29.9



BR 4 = Abdomen and pelvic contents

ICD-10

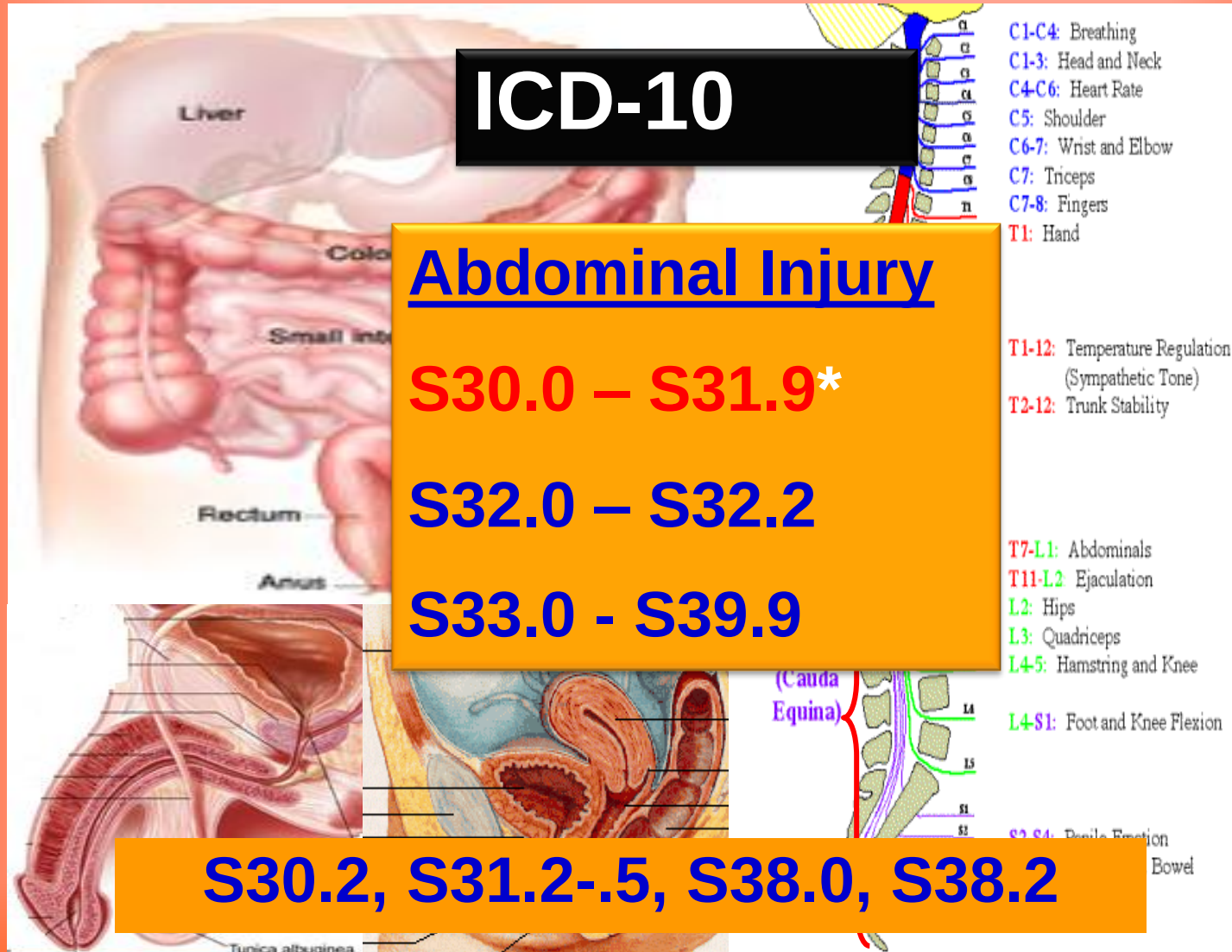
Abdominal Injury

S30.0 – S31.9*

S32.0 – S32.2

S33.0 - S39.9

S30.2, S31.2-.5, S38.0, S38.2



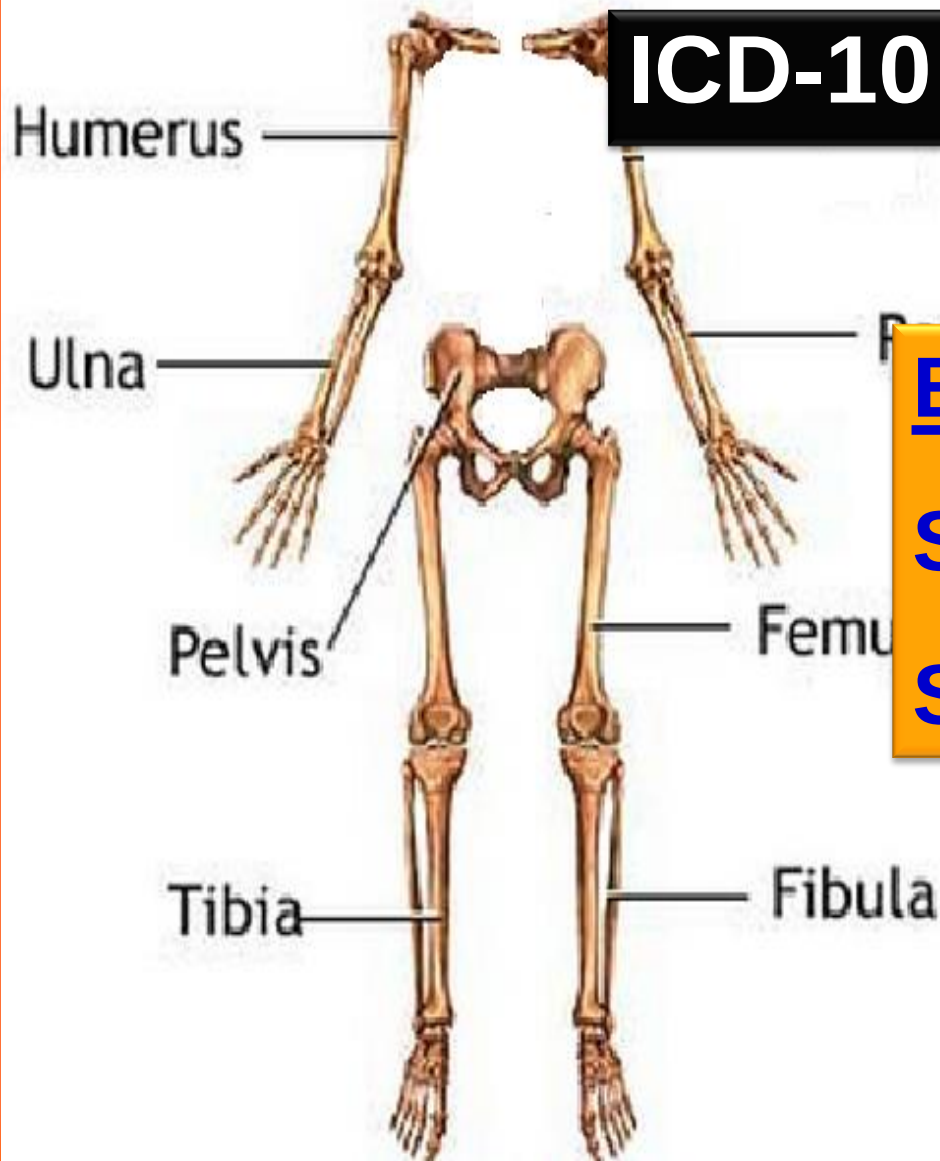
BR 5 = Extremities & pelvic girdle

ICD-10

Extremities Injury

S32.3 – S32.8

S42.0 – S99.9



© ZYGOTE

ICD - 10

กลุ่มรหัส **T** (Multiple injury, Burn & Toxic effect)

- **T00.0 – T07** **BR = 1-6** **AIS = ?**
- **T08 – T14.9** **BR = ?** **AIS = ?**
- **T15.0 – T19.9** **BR = 9** **AIS = 9**
- **T20.0 – T35.7** **BR = 6,4,2** **AIS = 1- 6**
- **T36.0 – T50.9** **BR = 9** **AIS = 9**
- **T51.0 – T65.9** **BR = 9** **AIS = 9**
- **T66 – T79.9** **BR = 9** **AIS = 9**

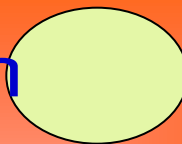


1. เล็กน้อย
2. ปานกลาง
3. มาก แต่ไม่คุกคามต่อชีวิต
4. มาก และคุกคามต่อชีวิต
5. วิกฤต ไม่แน่ใจในโอกาสรอดชีวิต
6. รุนแรงที่สุด ส่วนใหญ่ไม่รอดชีวิต
9. ไม่ทราบว่ามีอาการบาดเจ็บหรือไม่

รุนแรงน้อย



มาก



อวัยวะ
สำคัญ

มาก



น้อย

BR	AIS	1	2	3	4	5	6
1							
2							
3							
4							
5							
6							

BLUNT INJURY

BLUNT INJURY

ISS B.R. AIS SCORE	1 MINOR	2 MODERATE	3 SERIOUS : NOT LIFE THREATENING	4 SEVERE : LIFE THREATENING	5 CRITICAL : SURVIVAL UNCERTAIN
Head/ NECK (1) (In- clude ear)	- Headache/Dizziness 2° to head trauma but awake on admission - Cervical spine strain with no fracture or dislocation - Ear injury NFS (Not further specified) - Ear Canal injury - Inner or middle ear injury	- Amnesia from accident, - Lethargic/ stuporous/ obtunded (Drowsiness) :can be roused by verbal stimuli - Unconsciousness < 1 hr - Cerebral concussion (Skull fracture) - Simple vault fracture - Thyroid contusion - Brachial plexus injury - Dislocation or fracture - Spinous or transverse process of C-spine - Minor compression fracture (<20%) C-spine	- Unconsciousness 1-6 hrs - Unconsciousness < 1 hr with neurological deficit - Fracture base of skull - Comminuted, compound or depressed vault fracture - Cerebral contusion/edema - Subarachnoid hemorrhage - Intimal tear/thrombosis carotid Artery - Carotid A laceration NFS - Contusion larynx, pharynx - Cervical cord contusion - Dislocation or fracture of lamina, body, pedicle or facet of C-spine - Compression fracture > 1 vertebra or > 20 % anterior height - Brain swelling, - Subpial hemorrhage hygroma, ischemia, infraction	- Unconsciousness 1-6 hrs with neuro deficit - Unconsciousness 6-24 hrs - Appropriate response only to painful stimuli - Fractured skull with depression > 2 cm. torn dura or tissue loss - Intracranial hematoma < 100 cc. - Incomplete cervical cord lesion - Laryngeal crush - Intimal tear/thrombosis carotid A with neuro deficit - Brain laceration	- Unconsciousness with inappropriate movement - Unconscious > 24 hrs - Brain stem injury - Intracranial hematoma > 100 cc. - Complete cervical cord lesion C4 or below

BLUNT INJURY

ISS B.R. AIS SCORE	1 MINOR	2 MODERATE	3 SERIOUS : NOT LIFE THERATENING	4 SEVERE : LIFE THERATENING	5 CRITICAL : SURVIVAL UNCERTAIN
FACE (2) In- clude eyes	- Eye injury NFS - Corneal abrasion, NFS - Iris laceration - Sup. tongue laceration - Nasal or mandibular ramus* fracture - Tooth fracture/avulsion or dislocation	- Maxilla Fx NFS closed Fx - Zygoma, orbi* body or subcondylar mandibl* - fracture - Lefort I fracture - Scleral/corneal laceration	- Optic nerve laceration - Lefort II fracture	- Lefort III fracture	* Add AIS I if open /displace comminuted
THORAX (3)	- Rib fracture* - Thoracic spine strain - Rib cage contusion - Sternal contusion # Add AIS I if associated with h'thorax,p'thorax or h'p' mediastinum	- 2 - 3 rib fracture* - Sternum fracture - Dislocation or fracture spinous or transverse process t - spine - Minor compression fracture (<20%) t - spine	- Lung contusion/laceration < lobe - Unilateral h' or p' thorax - Diaphragm / rupture - ≥ 4 rib fracture* - Intimal tear/minor lac/thrombosis subclavian or innominate artery (cont.)	- Multilobar lung contusion or laceration - H'p' mediastinum - Bilat h'p' thorax - Flail chest - Myocardial contusion - Tension p' thorax - Hemothorax >1000 cc. - Tracheal fracture(cont.)	- Major aortic laceration - Cardiac laceration - Ruptured bronchus/trachea - Flail chest/inhalation burn requiring mechanical support - Laryngotrach. separation (cont.)



BLUNT INJURY

ISS B.R.	ISS SCORE	1 MINOR	2 MODERATE	3 SERIOUS: NOT LIFE THREATENING	4 SEVERE : LIFE THREATENING	5 CRITICAL : SURVIVAL UNCERTAIN
				- Inhalation burn, minor - Dislocation or fracture of lamina body, pedicle or facet of t - spine - Compression fracture > 1 vertebra or more than 20 % height - Cord contusion with transient neurological signs	- Intimal aortic tear - Major laceration subclavian or innominate A. - Incomplete cord syndrome	- Multilobar lung lac. with tension p thorax h' p' mediastinum, or > 1,000 cc. hemothorax - Cord laceration or complete cord lesion

BLUNT INJURY

ISS B.R.	AIS SCORE					
		1 MINOR	2 MODERATE	3 SERIOUS: NOT LIFE THREATENING	4 SEVERE : LIFE THREATENING	5 CRITICAL : SURVIVAL UNCERTAIN
(4)	ABDOMEN AND PELVIC CONTENT	- Abrasion/contusion superficial lac. scrotum, vagina, vulva, perineum - Lumbar spine strain - Hematuria	- Contusion/sup.laceration stomach, mesentery, S8 bladder, ureter, urethra - Minor contusion/lac. kidney, liver, spleen, pancreas - Contusion duodenum/colon - Dislocation or fracture spinous or transverse process L-spine - Minor compression fracture (<20%) L-spine - Nerve root injury	- Sup. lac. duodenum/colon/rectum - Perforation S8/mesentery/bladder/ureter/urethra - Major contusion/or minor lac. with major vessel invol., or h'peritoneum > 1,000 cc of kidney/liver/spleen/pancreas - Minor illac A. or V laceration - Retroperitoneal hematoma - Dislocation or fracture of lamina body. facet or pedicle of L-spine - Compression fracture > T vertebra or >20 % anterior height - Cord contus. with trans neuro signs	- Perforation stomach duodenum/colon/rectum - Perforation with tissue loss stomach/bladder/S8/ureter/urethra - Major liver laceration - Major illac A. or V. laceration - Incomplete cord syndrome - Placental abruption	- Major laceration with tissue loss or gross contamination of duodenum/colon/rectum - Complete rupture liver/spleen/kidney/pancreas - Complete cord lesion

BLUNT INJURY

ISS B.R.	AIS SCORE	1	2	3	4	5
		MINOR	MODERATE	SERIOUS: NOT LIFE THREATENING	SEVERE : LIFE THREATENING	CRITICAL : SURVIVAL UNCERTAIN
EXTREMITIES AND PELVIC GIRDLE		- Contusion elbow, shoulder, wrist, ankle - Fracture/dislocation finger, toe - Sprain A.C. joint, shoulder, elbow, finger, wrist, hip, ankle, toe	- Fracture humerus - Radius • ulna • fibula, - tibia • clavicle, - scapula, carpals, metacarpals, - calcaneus, tarsals, metatarsals, pubic rami or simple pelvic fracture. - Dislocation elbow, hand, shoulder, A.C. joint - Major muscle/tendon laceration - Intimal tear/minor lac. axillary, brachial, popliteal A: axillary, femoral, popliteal V.	- Comminuted pelvic fracture - Fractured femur - Dislocation wrist/ankle/ knee/hip - Below knee or upper extremity amputation - Rupture knee ligaments - Sciatic nerve laceration - Intimal tear/minor laceration femoral A. - Major laceration thrombosis axillary or popliteal A: axillary popliteal or femoral V.	- Pelvic crush fracture - Traumatic above knee amputation/crush injury - Major laceration femoral or brachial artery	- Open pelvic crush fracture *Add AIS I to these fractures if open, displaced or comminuted
	(5)					

BLUNT INJURY

ISS B.R. AIS SCORE	1 MINOR	2 MODERATE	3 SERIOUS: NOT LIFE THREATENING	4 SEVERE : LIFE THREATENING	5 CRITICAL : SURVIVAL UNCERTAIN
EXTERNAL (6)	- Abrasion, Contusion, - Laceration, Degloving injury NFS - Abrasion/contusions < 25 cm. on face/hand < 50 cm. on body - Superficial lacs. < 5 cm. on face/hand < 10 cm. on body - Laceration NFS - 1° burn up to 100% - 2° or 3° burn/degloving injury < 10% total body	- Abrasions/contusions ≥ 25 cm. on face or hand ≥ 50 cm. on body - Laceration ≥ 5 cm. on face or hand ≥ 10 cm. on body - 2° or 3° burn or degloving injury 10-19 % of total body - Avulsion NFS, < 25 cm² face or hand or < 50 cm² on body	- Avulsion (Major) - 2° or 3° burn or degloving injury 20-29 % of total body	- 2° or 3° burn or degloving injury 30-39% of total body	- 2° or 3° burn or degloving injury 40-89 % of total body

AIS = 6

MAXIMUM INJURY

AUTOMATICALLY ASSIGNED ISS = 75

HEAD/NECK

Crush fracture. crush/laceration brain stem Decapitation

THORAX

Cord crush/laceration or total transection with or without fracture C3 or above

ABDOMEN

Torso transection

EXTERNAL

2° or 3° burn or degloving injury > 90% T. B. S.

PENETRATING INJURY

PENETRATING INJURY

ISS B.R. AIS SCORE	1	2	3	4	5
	MINOR	MODERATE	SERIOUS: NOT LIFE THREATENING	SEVERE : LIFE THREATENING	CRITICAL : SURVIVAL UNCERTAIN
HEAD/ NECK (1)	PI = PENETRATING INJURY - PI to head NFS	- PI to neck NFS - PI to neck with no organ involvement	- Complex PI to neck with tissue loss/organ involvement - Minor lac. carotid / vertebral A: internal jugular v. - Transection; segmental loss jugular V. - Thyroid laceration - Superficial lac. larynx/pharynx - Cord contusion with transient neurological signs	- Minor lac. carotid/ vertebral A. with neurological deficit - Transection carotid/ vertebral A; intimal jugular V. - Segmental loss intimal jugular vein - Perforation larynx/ pharynx - Cord contusion with incomplete cord syndrome	- PI with entrance and exit wounds - PI of cerebrum/ cerebellum - Segmental loss carotid/vertebral A. - Complex laceration larynx, pharynx - Cord laceration - Complete cord lesion
FACE (2)	- PI NFS - PI with no tissue loss	- PI with superficial tissue loss - Corneal/scleral laceration	- PI with major tissue loss		

PENETRATING INJURY

ISS B.R. AIS SCORE	1 MINOR	2 MODERATE	3 SERIOUS: NOT LIFE THREATENING	4 SEVERE : LIFE THREATENING	5 CRITICAL : SURVIVAL UNCERTAIN
THORAX (3)	- PI with no violation of pleural cavity	- Thoracic duct laceration - Pleural laceration	- Complete PI but no violation of the pleural cavity - Sup. lac. innominate/pulmonary/subclavian and other named smaller veins - Sup. lac. trachea/bronchus/esophagus - Lung laceration < 1 lobe - Unilateral h'or p'thorax - Diaphragmatic laceration - Cord contusion with transient neurological signs	- Sup.aortic laceration - Major lac. innominate/pulmonary/subclavian and other named smaller art; vena cava/brachiocephalic pulmonary/subclavian and other names smaller veins - Transection/tissue loss other named smaller V. - Perforation trachea/bronchus/esophagus - Multilobar lung laceration - H'p' mediastinum - Bilateral h'p'thorax - Tension p'thorax - H'thorax >1,000 cc. - Cardiac tamponade - Cord contusion with incomplete cord syndrome	- Major aortic laceration - Transection/segmental loss vena cava/pulmonary/brachiocephalic V. and other named smaller arteries - Laceration trachea/bronchus/esophagus with tissue loss - Multilobar lung lac. with tension p'thorax/> 1,000 cc. - Myocardium/valve laceration - Cord laceration - Complete cord lesion

PENETRATING INJURY

ISS B.R. AIS SCORE	1 MINOR	2 MODERATE	3 SERIOUS: NOT LIFE THREATENING	4 SEVERE : LIFE THREATENING	5 CRITICAL : SURVIVAL UNCERTAIN
	ABDOMEN AND PELVIC CONTENT (4)				
	- PI with no peritoneal penetration	- PI with superficial tissue loss but no peritoneal penetration - Sup.lac. stomach/S8/mesentary/bladder/ureter/kidney/liver/spleen/pancreas - Laceration through peritoneum	- PI with significant tissue loss but no peritoneal penetration - Sup. lac. vena/iliac and other named smaller arteries and veins - Sup. lac. duodenum/colon/rectum - Full thickness laceration S8/mesentary/bladder/ureter - Major lac. or minor lac. with major vessel injury/ > 1,000 cc. n' peritoneum : kidney/liver/spleen/pancreas - Cord contusion with transient neurological signs	- Minor aortic lac. - Major lac. vena cava/iliac A. & V. and other named smaller arteries and veins - Transection / segmental loss iliac and other named smaller veins - Full thickness lac. stomach/colon/duodenum or rectum - Tissue loss/gross contamination stomach/S8/mesentary bladder/ureter - Cord contusion with incomplete cord syndrome	- Major aortic laceration - Transection/segmental loss vena cava/iliac and other named smaller arteries - Tissue loss/gross contamination duodenum/colon/rectum - Tissue loss kidney/liver/spleen pancreas - Cord laceration

PENETRATING INJURY

ISS B.R. AIS SCORE					
	1 MINOR	2 MODERATE	3 SERIOUS: NOT LIFE THREATENING	4 SEVERE : LIFE THREATENING	5 CRITICAL : SURVIVAL UNCERTAIN
EXTREMITIES AND PELVIC GIRDLE (5)	- Sup. lac. brachial and other named veins	- Simple PI with no internal structure involvement - Sup. lac. axillary/brachial/popliteal A; axillary/femoral/popliteal V. - Major lac. & segmental loss brachial vein and other named smaller arteries and veins - Lac. median/radial/ulnar /femoral/tibial peroneal N. - Major tendon/muscle laceration	- Complex PI with internal involvement - Sup. laceration femoral artery - Major lac. axillary/popliteal A; axillary/femoral/popliteal V. - Segmental loss axillary/femoral popliteal V. - Sciatic nerve laceration > 1 nerve lac. in same extremity - Multiple tendon/muscle lacerations in same extremity	- Major lac. brachial/femoral artery - Segmental loss brachial/axillary/popliteal artery	- Segmental loss femoral artery



PENETRATING INJURY

ISS B.R.	AIS SCORE	1 MINOR	2 MODERATE	3 SEVIOUS: NOT LIFE THERATENING	4 SEVERE : LIFE THERATENING	5 CRITICAL : SURVIVAL UNCERTAIN
EXTERNAL (6)		- Superficial laceration < 5 cm. on face or hand < 10 cm. on body - PI with no tissur loss	- Laceration > 5 cm. on face hand or > 10 cm. on body PI with - PI with superficial tissue loss	-	-	-

AIS = 6

MAXIMUM INJURY

AUTOMATICALLY ASSIGNED ISS = 75

HEAD/NECK

Brain stem laceration

THORAX

Aortic transection

Segmental loss aorta/innominate pulmonary/subclavian arteries

Complex myocardial laceration

ABDOMEN

Aortic transection/segmental loss

รายละเอียดเพิ่มเติมในการลงรหัส **AIS**

1. Over all generalized pain
2. R/O or Suspect
3. Not further specified (NFS)
4. Head injury
 - Anatomical injury : Op note, CT, MRI...
 - History of consciousness

จบแล้วครับ



MADE IN
THAILAND