

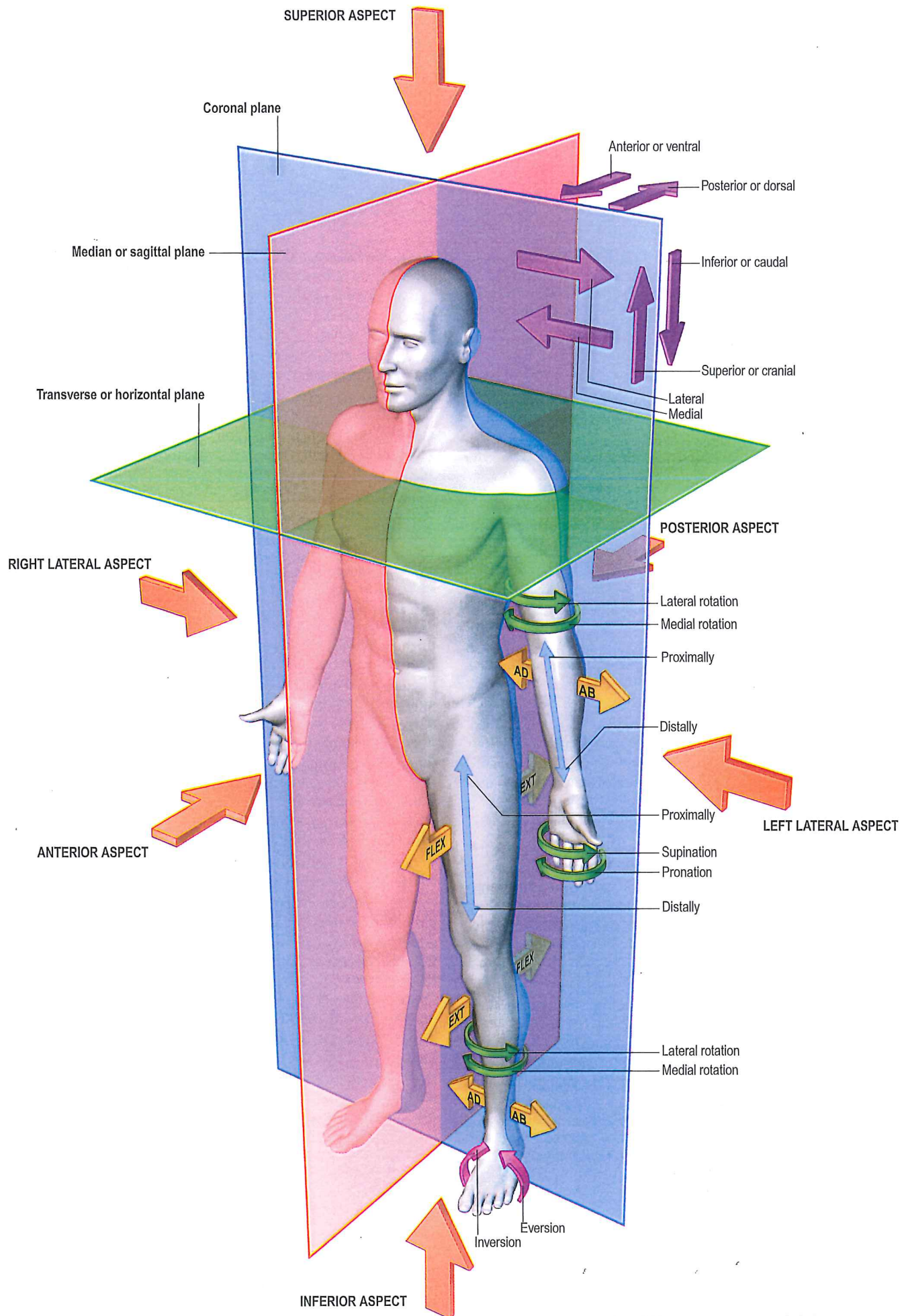


Figure 1.1 The terminology widely used in descriptive anatomy. Abbreviations shown on arrows: **AD**, adduction; **AB**, abduction; **FLEX**, flexion (of the thigh at the hip joint); **EXT**, extension (of the leg at the knee joint).

Basic terminology for osteology

(骨学必須英語80)

2019/11/12

I. Body parts (体部)

1 体幹	trunk
2 胸(体部)、胸郭(骨格)	thorax
3 腹	abdomen
4 骨盤(体部、骨格)	pelvis
5 上肢	upper limb (upper extremity)
6 下肢	lower limb (lower extremity)
7 上腕	(upper) arm [brachium]
8 前腕	forearm
9 手根	carpus (≡ wrist 手くび)
10 中手	metacarpus
11 指、母指	finger, thumb [pollex]
12 指節・趾節(体部)	phalanx, phalanges (pl.)
指節骨・趾節骨 or 指骨・趾骨(骨格)	
13 大腿	thigh
14 下腿	leg
15 足根	tarsus (≡ ankle 足くび)
16 中足	metatarsus
17 趾(=足の指)、母趾	toe, great toe [hallux]
17 ¹ 指、趾	digits ≡ fingers, thumb, toes

II. Bone and joint structure

(骨と関節の構造)

18 骨端軟骨	epiphysial cartilage
19 関節腔	articular cavity
20 関節包	articular capsule
21 (滑膜性、狭義の)関節	synovial joint
22 靱帯	ligament

III. Cranium (頭蓋^{トウガイ}) 23⁰

23 頭蓋腔	cranial cavity
24 頭蓋骨 ^{トウガイコツ}	bones of cranium
25 前頭骨	frontal bone
26 頭頂骨	parietal bone
27 後頭骨	occipital bone
28 蝶形骨	sphenoid (sphenoidal bone)
29 側頭骨	temporal bone
30 篩骨	ethmoid (ethmoidal bone)
31 上顎骨	maxilla
32 下顎骨	mandible
33 舌骨	hyoid bone
34 眼窩	orbit
35 大後頭孔	foramen magnum
36 トルコ鞍	sella turcica

IV. Vertebral column and

thoracic skeleton (脊柱と胸郭) 37^{1,2}

37 ³ 脊柱管	vertebral canal
38 椎骨	vertebra
39 椎孔	vertebral foramen
40 棘突起	spinous process

41 横突起	transverse process
42 頸椎	cervical vertebra
43 胸椎	thoracic vertebra
44 腰椎	lumbar vertebra
45 仙骨、尾骨	sacrum, coccyx
46 環椎、軸椎	atlas, axis
47 肋骨	rib or costa
48 胸骨	sternum
49 肋骨弓	costal arch
49 ¹ 胸腔、腹腔	thoracic cavity, abdominal cavity

V. Upper limb bones (上肢骨) 50⁰

50 上肢帯	pectoral (shoulder) girdle
51 鎖骨、肩甲骨	clavicle, scapula
52 上腕骨	humerus
53 橈骨、尺骨	radius, ulna
54 手根骨	carpals or carpal bones
55 中手骨	metacarpals or metacarpal bones
56 基節骨(基節)	proximal phalanx
57 中節骨(中節)	middle phalanx
58 末節骨(末節)	distal phalanx

VI. Lower limb bones (下肢骨) 59⁰

59 下肢帯	pelvic girdle
60 寛骨	hip (pelvic, coxal, innominate) bone
61 腸骨、坐骨、恥骨	ilium, ischium, pubis
62 大腿骨	femur
63 膝蓋骨	patella
64 脛骨、腓骨	tibia, fibula
65 距骨、踵骨 ^{ショウコツ}	talus, calcaneus
66 足根骨、中足骨	tarsals, metatarsals
66 ¹ 骨盤、骨盤腔	pelvis, pelvic cavity

VII. Joints (連結、広義の関節) 67⁰

67 縫合	suture
68 顎関節	temporomandibular joint
69 椎間結合	intervertebral symphysis (joint)
70 椎間円板	intervertebral disc
71 椎間関節	zygapophysial (facet) joint
72 肩関節(=関節窩上腕関節)	shoulder (glenohumeral) joint
73 肘関節	elbow joint
(humeroulnar/humeroradial/proximal radioulnar joint)	
74 橈骨手根関節(=手関節)	wrist (radiocarpal) joint
75 中手指節(中足趾節)関節	MP or MCP (MTP) joint
(metacarpophalangeal/metatarsophalangeal joint)	
76 近位/遠位指節間関節	PIP joint, DIP joint
(proximal/distal interphalangeal joint)	
77 恥骨結合	pubic symphysis
78 股関節(=寛骨大腿関節)	hip (coxofemoral) joint
79 膝関節	knee joint
80 距腿関節(=足関節)	ankle (talocrural) joint

Basic terminology for myology

(筋学必須英語56)

2019/11/12

0. General terms (総論)

1 骨格筋	skeletal muscle
2 起始	origin < originate, arise
3 停止	insertion < insert, attach
4 腱、筋膜	tendon, fascia
5 屈筋	flexor < flexion 屈曲
6 伸筋	extensor < extension 伸展
7 外転筋	abductor < abduction 外転
8 内転筋	adductor < adduction 内転
9 回内筋	pronator < pronation 回内
10 回外筋	supinator < supination 回外
11 括約筋、散大筋	sphincter, dilator

1. Muscles of head (頭の筋)

(顔面筋=表情筋)	facial muscles
12 眼輪筋、口輪筋	orbicularis oculi, — oris
13 頬筋、後頭前頭筋 (咀嚼筋)	buccinator, occipitofrontalis
	masticatory muscles
14 側頭筋、咬筋	temporalis, masseter
15 内側翼突筋	medial pterygoid
16 外側翼突筋	lateral pterygoid

2. Muscles of neck (頸の筋)

17 舌骨上筋、舌骨下筋	suprahyoids, infrahyoids
18 胸鎖乳突筋	sternocleidomastoid
19 斜角筋 (前・中・後)	scalenus (anterior/medius/posterior)

3. Muscles of thorax (胸の筋)

(浅胸筋)	⇒上肢
20 大胸筋、小胸筋	pectoralis major, — minor
21 前鋸筋	serratus anterior
(深胸筋=固有胸筋=肋間筋)	
22 外肋間筋	external intercostals
23 内肋間筋	internal intercostals
(= external/internal intercostal muscles)	
24 横隔膜	diaphragm

4. Muscles of abdomen (腹の筋)

25 腹直筋	rectus abdominis
26 外腹斜筋	external oblique
27 内腹斜筋	internal oblique
28 腹横筋	transversus abdominis
29 白線、臍輪	linea alba, umbilical ring
30 鼠径靱帯	inguinal ligament

5. Muscles of pelvic outlet

(骨盤下口の筋)

31 会陰筋	perineal muscles
32 尿生殖隔膜	urogenital diaphragm
33 骨盤隔膜	pelvic diaphragm
34 外肛門括約筋	external anal sphincter

6. Muscles of back (背の筋)

(浅背筋)

⇒上肢

35 僧帽筋	trapezius
36 広背筋	latissimus dorsi
(深背筋=固有背筋)	
37 固有背筋	muscles of back proper
38 脊柱起立筋	erector spinae

38¹ 腸肋筋、最長筋、棘筋 = iliocostalis + longissimus + spinalis

7. Muscles of upper limb (上肢の筋)

(上肢帯筋=肩甲筋)

39 三角筋	deltoid
(上腕の筋)	
40 上腕二頭筋	biceps brachii
41 上腕筋	brachialis
42 上腕三頭筋	triceps brachii
(前腕の筋)	
43 浅指屈筋	flexor digitorum superficialis
44 深指屈筋	flexor digitorum profundus
45 指伸筋	extensor digitorum

8. Muscles of lower limb (下肢の筋)

(内寛骨筋)

46 腸腰筋	iliopsoas
46 ¹ 腸骨筋、大腰筋、小腰筋	= iliacus + psoas major + psoas minor
(外寛骨筋=殿筋)	
47 大殿筋	gluteus maximus
48 中殿筋	gluteus medius
(大腿の筋)	
49 大腿四頭筋	quadriceps femoris
49 ¹ 大腿直筋、(内側・外側・中間) 広筋	= rectus femoris + vastus (medialis, lateralis, intermedius)
50 大腿二頭筋	biceps femoris
51 半膜様筋、半腱様筋	semimembranosus, semitendinosus
52 大内転筋	adductor magnus
(下腿の筋)	
53 前脛骨筋	tibialis anterior
54 下腿三頭筋	triceps surae
54 ¹ 腓腹筋、ヒラメ筋	= gastrocnemius + soleus
55 踵骨腱	calcaneal tendon
56 長腓骨筋	fibularis longus

Basic terminology for neurology

(解剖実習用 神経学必須英語70)

↓末梢神経系

2019.11.12

0. Nerve cell, neuron (神経細胞) 1⁰

- | | | | |
|---|-----------|--------------------|-------|
| 1 | 神経細胞体 | cell body, soma | |
| 2 | 樹状突起 | dendrite | 神経突起 |
| 3 | 軸索 (神経線維) | axon (nerve fiber) | |
| 3 | シナプス | synapse | 神経接合部 |
| 4 | グリア | neuroglia, glia | 神経膠細胞 |
- ↓中枢神経系

1. Central nervous system (CNS) 5⁰

- | | | | |
|---|--------|----------------------|--------|
| 5 | 灰白質・白質 | gray/white substance | |
| 6 | 神経核 | nucleus | (細胞の核) |
| 7 | 伝導路 | tract | 神経路 |
| 8 | 脳室 | ventricle | (心室) |

2. Meninges (髄膜) 9⁰

- | | | | |
|-----------------|------|----------------------|-------|
| 9 | 硬膜 | dura mater | |
| 10 | クモ膜 | arachnoid (mater) | |
| 11 | 軟膜 | pia mater | |
| 11 ¹ | 歯状靱帯 | denticulate ligament | |
| 11 ² | 脈絡叢 | choroid plexus | → CSF |

3. Spinal cord (脊髄) 12⁰

- | | | | |
|-----------------|----------|---------------------------------|--|
| 12 | 頸膨大 | cervical enlargement | |
| 13 | 腰膨大・腰仙膨大 | lumbar/lumbosacral enlargement | |
| 14 | 脊髄円錐 | medullary cone | |
| 15 | 中心管 | central canal | |
| 16 | 前角・側角・後角 | anterior/lateral/posterior horn | |
| 16 ¹ | 前角細胞 | anterior horn cell (AHC) | |

4. Brain, Encephalon (脳) 17⁰

- | | | | |
|-----------------|---------|--|--|
| 17 | 延髄 | medulla oblongata | |
| 18 | 橋 | pons | |
| 19 | 小脳 | cerebellum | |
| 20 | 中脳 | mesencephalon, midbrain | |
| 21 | 間脳 | diencephalon | |
| 22 | 終脳、大脳 | telencephalon, cerebrum | |
| 23 | 大脳半球 | cerebral hemisphere | |
| 24 | 大脳回・溝 | cerebral gyrus/sulcus | |
| 25 | 前頭・側頭葉 | frontal/temporal lobe | |
| 26 | 頭頂・後頭葉 | parietal/occipital lobe | |
| 27 | 海馬 | hippocampus | |
| 28 | 大脳基底核 | basal ganglion* (nucleus) | |
| 29 | 視床・視床下部 | thalamus, hypothalamus | |
| 30 | 脳幹 | brainstem | |
| 31 | 第四・三脳室 | fourth/third ventricle | |
| 32 | 側脳室 | lateral ventricle | |
| 33 | 中脳水道 | aqueduct of midbrain
(or cerebral aqueduct) | |
| 33 ¹ | 脳脊髄液 | cerebrospinal fluid (CSF) | |

5. Peripheral nervous system (PNS) 34⁰

- | | | | |
|----|------------|-----------------------------------|----------|
| 34 | 脳神経 | cranial nerve | |
| 35 | 脊髄神経 | spinal nerve | |
| 36 | 体性神経 | somatic nerve | ⇒体壁、体肢 |
| 37 | 自律神経 | autonomic nerve | ⇒内臓、腺、血管 |
| 38 | 求心性神経 (感覚) | afferent nerve (sensory) | |
| 39 | 遠心性神経 (運動) | efferent nerve (motor, secretory) | |
| 40 | 神経節 | ganglion | |
| 41 | 神経叢 | plexus | |

6. Cranial nerves (脳神経) 34

- | | | | |
|-----------------|------------------------|-------------------------|--------------|
| 42 | 嗅神経 (I) | olfactory nerve | 12対
S(感覚) |
| 43 | 視神経 (II) | optic nerve | S |
| 44 | 動眼神経 (III) | oculomotor nerve | M(運動), A(自律) |
| 45 | 滑車神経 (IV) | trochlear nerve | M |
| 46 | 三叉神経 (V) | trigeminal nerve | S, M |
| 46 ¹ | 眼神経 (V ₁) | ophthalmic nerve | S |
| 46 ² | 上顎神経 (V ₂) | maxillary nerve | S |
| 46 ³ | 下顎神経 (V ₃) | mandibular nerve | S, M |
| 47 | 外転神経 (VI) | abducens nerve | M |
| 48 | 顔面神経 (VII) | facial nerve | S, M, A |
| 49 | 内耳神経 (VIII) | vestibulocochlear nerve | S |
| 50 | 舌咽神経 (IX) | glossopharyngeal nerve | S, M, A |
| 51 | 迷走神経 (X) | vagus nerve | S, M, A |
| 52 | 副神経 (XI) | accessory nerve | M |
| 53 | 舌下神経 (XII) | hypoglossal nerve | M |

7. Spinal nerves (脊髄神経) 35

- | | | | |
|----|---------|--------------------------|------------|
| 54 | 頸神経 | cervical nerves | 31対
(8) |
| 55 | 胸神経 | thoracic nerves | (12) |
| 56 | 腰神経 | lumbar nerves | (5) |
| 57 | 仙骨神経 | sacral nerves | (5) |
| 58 | 尾骨神経 | coccygeal nerve | (1) |
| 59 | 頸・腕神経叢 | cervical/brachial plexus | ⇒頸・上肢 |
| 60 | 腰・仙骨神経叢 | lumbar/sacral plexus | ⇒腰・下肢 |
| 61 | 坐骨神経 | sciatic nerve | |

61¹ (59⇒ 横隔神経, 正中・橈骨・尺骨・筋皮神経)

61² (60⇒ 大腿・閉鎖神経, 陰部神経) (55⇒ 肋間神経)

62 前根・後根 ventral/dorsal root

63 脊髄神経節
= 後根神経節 spinal ganglion,
dorsal root ganglion (DRG)

64 馬尾 cauda equina

65 前枝・後枝 ventral/dorsal ramus

↓自律神経系

8. Autonomic nervous system (ANS) 66⁰

- | | | | |
|----|---------|--------------------------|-----|
| 66 | 交感神経 | sympathetic nerve | ⇒攻撃 |
| 67 | 副交感神経 | parasympathetic nerve | ⇒安静 |
| 68 | 交感神経幹 | sympathetic trunk | |
| 69 | 自律神経節 | autonomic ganglion | |
| 70 | 節前・節後線維 | pre/postganglionic fiber | |