INTRODUCTION TO MEDICAL TERMINOLOGY



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HOW TO BUILD A MEDICAL WORD

It can be very difficult and confusing to understand what medical terminology means. However, the reason that the words are so long is that they are made up of lots of individual building blocks. Once you begin to understand what each of the building blocks mean, it becomes much simpler to understand the whole words.

Medical words have FOUR main components (though not every word has all four):



A prefix goes at the beginning of the word. It modifies the meaning of the word.

The root or stem is the basic medical word.

A combining vowel is used to make the word easier to pronounce. The most common combining vowel is **O**.

The suffix goes at the end of the word. It is another way of altering the meaning of the word.

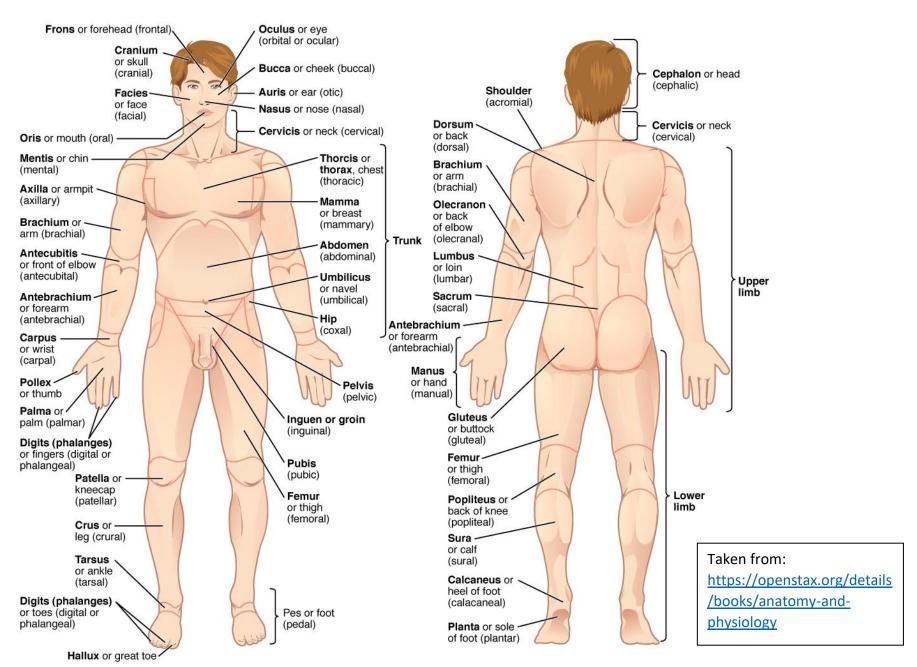
It is often easiest to read backwards to find the meaning of the word.

For example:

POLYNEUROPATHY		
POLYNEUROPATHY		
many nerves disease		
'disease of many nerves'		

HEPATOMEGALY		
HEPATOMEGALY		
liver combining vowel enlargement		
'enlargement of the liver'		

ELECTROCARDIOGRAPHY			
ELECTROCARDIOGRAPHY			
electricity heart combining vowel recording			
'recording of the electrical activity of the heart'			



PREFIXES

a- or an- ab- ab- away from acou- hearing acro- extremity ad- towards aero- air af- towards/near agora- open space ambi- amblyo- dim/dull ana- up, excessive aniso- unequal ankylo- crooked/bent ante- before anti- against apo- audio- hearing auto- bio- blasto- bio- blasto- immature/germ cell brady- cata- chemo- circum- co-/con- contra- cryo- cold crypto- divady- de- de- away from/reversing dextra- down/reversing	
ab- away from acou- hearing acro- extremity ad- towards aero- air af- towards/near agora- open space ambi- both amblyo- dim/dull ana- up, excessive aniso- unequal ankylo- crooked/bent ante- before anti- against apo- away from audio- hearing auto- self baso- basic bio- life blasto- immature/germ cell brady- slow cata- down chemo- chemical circum- around co-/con- together cryo- cold crypto- hidden de- away from/reversing dextra- to the right	
acou- acro- acro- extremity ad- towards aero- air af- towards/near agora- open space ambi- amblyo- dim/dull ana- up, excessive aniso- ankylo- crooked/bent ante- apo- audio- audio- hearing auto- baso- basic bio- bio- life blasto- immature/germ cell brady- cata- chemo- chemo- circum- co-/con- together contra- cryo- cold crypto- hidden de- away from/reversing dextra-	
acro- extremity ad- towards aero- air af- towards/near agora- open space ambi- both amblyo- dim/dull ana- up, excessive aniso- unequal ankylo- crooked/bent ante- before anti- against apo- away from audio- hearing auto- self baso- basic bio- life blasto- immature/germ cell brady- slow cata- down chemo- chemical circum- around co-/con- together contra- against cryo- cold crypto- hidden de- away from/reversing dextra- to the right	
ad- aero- air af- towards/near agora- ambi- amblyo- dim/dull ana- aniso- anti- apo- audio- audio- baso- bio- blasto- blasto- brady- cata- chemo- chemo- co-/con- contra- cryo- cold crypto- dim/dull and/dull ana- up, excessive anim/dull crooked/bent crooked/bent against against against against against against alpo- away from audio- basic bio- blasto- blasto- brady- cothemical circum- coryo- cold crypto- hidden de- away from/reversing dextra-	
af- agora- ambi- ambiyo- ambiyo- aniso- anti- apo- audio- auto- baso- bio- blasto- brady- crata- croum- cro-/con- croyo- croyo- croyo- croyo- croyo- croyo- croye-	
af- agora- open space ambi- amblyo- dim/dull ana- up, excessive aniso- ankylo- crooked/bent ante- anti- against apo- audio- audio- baso- bio- blasto- brady- crata- chemo- circum- co-/con- contra- cryo- cond de- de- ambi- both dim/dull an, excessive unequal crooked/bent against against against against against self baso- basic bin- life blasto- immature/germ cell around co-/con- contra- against cryo- cold crypto- hidden de- away from/reversing dextra-	
agora- ambi- both amblyo- dim/dull ana- up, excessive aniso- ankylo- crooked/bent ante- before anti- against apo- audio- auto- bio- blasto- brady- crata- crea- circum- co-/con- contra- contra- cryo- cold crypto- de- ambi- both dim/dull am/dull aup, excessive unequal aup, excessive anequal aup, excessive anequal aup, excessive anequal apo, excessive anequal against against against chemo- chemical coryo- cold crypto- hidden de- away from/reversing dextra-	
ambi- amblyo- dim/dull ana- up, excessive aniso- ankylo- ante- before anti- apo- audio- auto- blasto- blasto- brady- cata- chemo- circum- co-/con- contra- corypto- de- de- amblyo- dim/dull up, excessive unequal aup, excessive unequal apo- away from against against against against against against against crooked/bent before against against against crooked/bent against against against crooked/bent against against against crooked/bent against a	
ana- up, excessive aniso- unequal ankylo- ante- before anti- apo- audio- auto- bio- blasto- brady- cata- chemo- circum- co-/con- contra- corypto- de- de- aniso- unequal around crooked/bent against against against against against against against crooked/bent against against against crooked/bent against against codown chemical around co-/con- cold crypto- hidden away from/reversing dextra-	
ana- up, excessive aniso- unequal ankylo- ante- before anti- apo- audio- auto- bio- blasto- brady- cata- chemo- circum- co-/con- contra- corypto- de- de- aniso- unequal around crooked/bent against against against against against against against crooked/bent against against against crooked/bent against against codown chemical around co-/con- cold crypto- hidden away from/reversing dextra-	
aniso- ankylo- ante- before anti- apo- audio- baso- bio- blasto- brady- cata- chemo- circum- co-/con- contra- cryo- crypto- ankylo- crooked/bent before against against against against against against against cryo- cold crypto- hidden away from/reversing dextra-	
ankylo- ante- before anti- apo- audio- audio- bio- blasto- brady- cata- chemo- circum- co-/con- contra- corypto- de- de- anti- before against against against against against against against crooked/bent against against against crooked/bent against against crooked/bent against against chemo- chemical around co-/con- cold crypto- hidden de- away from/reversing dextra-	
ante- anti- apo- audio- audio- before audio- auto- baso- bio- blasto- brady- cata- chemo- circum- corycon- contra- corypto- de- anti- against away from away from away from away from/reversing against against away from/reversing dextra-	
apo- audio- audio- baso- bio- blasto- brady- cata- chemo- circum- co-/con- contra- cryo- crypto- de- audio- audio- hearing away from self basic life immature/germ cell slow cata- down chemical circum- around co-/con- contra- against cryo- cold de- away from/reversing dextra-	
apo- audio- audio- baso- bio- blasto- brady- cata- chemo- circum- co-/con- contra- cryo- crypto- de- audio- audio- hearing away from self basic life immature/germ cell slow cata- down chemical circum- around co-/con- contra- against cryo- cold de- away from/reversing dextra-	
audio- auto- self baso- bio- blasto- brady- cata- chemo- circum- co-/con- contra- cryo- crypto- de- de- audio- hearing	
auto- baso- bio- blasto- brady- cata- chemo- circum- co-/con- contra- cryo- crypto- de- de- day- day- slow down chemical chemical co-/con- together cold crypto- hidden de- away from/reversing dextra-	
baso- basic bio- life blasto- immature/germ cell brady- slow cata- down chemo- chemical circum- around co-/con- together contra- against cryo- cold crypto- hidden de- away from/reversing dextra- to the right	
bio- life blasto- immature/germ cell brady- slow cata- down chemo- chemical circum- around co-/con- together contra- against cryo- cold crypto- hidden de- away from/reversing dextra- to the right	
brady- slow cata- down chemo- chemical circum- around co-/con- together contra- against cryo- cold crypto- hidden de- away from/reversing dextra- to the right	
brady- slow cata- down chemo- chemical circum- around co-/con- together contra- against cryo- cold crypto- hidden de- away from/reversing dextra- to the right	
cata- down chemo- chemical circum- around co-/con- together contra- against cryo- cold crypto- hidden de- away from/reversing dextra- to the right	
circum- around co-/con- together contra- against cryo- cold crypto- hidden de- away from/reversing dextra- to the right	
co-/con- together contra- against cryo- cold crypto- hidden de- away from/reversing dextra- to the right	
contra- against cryo- cold crypto- hidden de- away from/reversing dextra- to the right	
cryo- cold crypto- hidden de- away from/reversing dextra- to the right	
crypto- hidden de- away from/reversing dextra- to the right	
de- away from/reversing dextra- to the right	
de- away from/reversing dextra- to the right	
3	
مائم المائم	
dia- through	
dis- against/separation	
disto- far	
dorso- dorsal (back)	
dys- difficult/abnormal/painfu	I
ec- out of/away from	
ecto- external/without/outside	<u> </u>
em- in	
en-/endo- within, in, into, inside	
ent- within	
epi- upon/above/on	
eu- well, good, normal	
ex-/exo- out of/away from	

PREFIX	MEANING
extra-	outside
fore-	before/in front of
gen-	birth or producing
haemo-	blood
hetero-	different, other
homeo-	like, similar, same
/homo-	
hyper-	above, in excess of normal
hypo-	below, under, less than
	normal
ichthyo-	dry/scaly
idio-	peculiar to the individual
in-	in
infra-	below
inter-	between
intra-	within
iso-	equal, same
juxta-	next to
koilo-	spoon
kypho-	crooked, humped, rounded
latero-	side
leavo-	left
lepto-	thin, soft
lordo-	bent forward
macro-	large
mal-	bad, abnormal
mano-	pressure
medi-	middle
mega-	big, enlarged
/megalo-	
meso-	middle
meta-	beyond
mio-	smaller
narco-	stupor
neo-	new
nocto-	night
/nycto-	
oligo-	scanty/deficiency
opistho-	backwards
ortho-	straight
OS-	opening, bone
pachy-	thick
pan-	all
para-	alongside, close to, beside

PREFIX	MEANING
ped-	foot, child
per-	through
peri-	around
photo-	light
post-	after
pre-/pro-	before
presbyo-	old age
proximo-	near
pseudo-	false
re-	again/back
retro-	behind
sapro-	dead/decayed
sarco-	flesh
sclero-	hard
scolio-	crooked
scota-	darkness
sono-	sound
squamo-	scaly
staphylo-	grapes/cluster
steno-	narrow
strepto-	chain
sub-	below
super-/supra-	above
syn-	with, union
tachy-	fast, rapid
tact-	touching
trans-	across/through
ultra-	beyond
uni-	one
ventro-	front/anterior
xer/o-	dry

ROOTS/STEMS

GENERAL TERMINOLOGY	
ROOT/STEM	MEANING
actin	ray/sun
adipo	fat
albumen	albumin
albumin	albumin
amyl	starch
andr	man
antr	antrum
append(ic)	appendix
aqua	water
axill	axilla (armpit)
bar	weight
blenn	mucus
cheil	lip
corpor	body
culd	recto-uterine sac
cyt	cell
dacry	tear (duct)
dent	tooth
derm(at)	skin
electr	electricity
embol	plug
faci	face/surface
ferr	iron
f(o)et	foetus
galact	milk
gingiv	gums
glyco	sugar
gyn(aec)	woman
herni	hernia, protrusion
hidr	sweating
hirsut	hair(y)
hist	tissue
hydr	water, fluid
hygr	moisture
iatr	physician
immun	immunity
kal	potassium
kary	nucleus
lac(h)rym	tear
lacrim	tear
lact	milk
lip	fat
lob	lobe

	T	
metro	measure	
morph	form, dream	
my(c(et))o	fungus	
myxo	mucus membrane	
narco	deep sleep/stupor	
natro	sodium	
necro	death	
noct	night	
nucle	nucleus	
nyct	night	
odont	tooth	
onc	tumour	
onych	nail	
oro	mouth	
OS	mouth	
paed	child	
palat	roof of the mouth	
path	disease	
perine	perineum	
peritone	peritoneum	
pharmac	drug	
phon	voice	
pil	hair	
polyp	growth from a	
. //	mucous membrane	
ру	pus	
pyr	fire, heat, fever	
sacchar	sugar	
sarc	flesh	
ser	serum	
sin	space, sinus	
somat	body	
splanch	viscera/organs	
steat	fat	
syring	cavity/tube	
therm	heat	
tox(ic)	poison	
trich	hair	
troph	nourishment	
ulcer(at)	ulcer	
vesic	bladder/vesicle/fluid-	
	filled blister	
vol	palm	
Z00	animal	

CARDIOVASCULAR SYSTEM		
ROOT/STEM	MEANING	
angi	vessel	
aort	aorta	
arteri	artery	
ather	plaque lining blood	
	vessels	
atri	atrium	
cardi	heart	
coron	heart	
endocardi	lining of heart	
haem(at)	blood	
myocardi	myocardium (heart	
	muscle)	
pericardi	outer layer of the	
	heart	
phleb	vein	
sanguin	blood	
sphygmo	pulse	
thrombo	blood clot	
thrombocyt	platelet	
valv(ul)o	valve	
varico	varicose veins	
vasculo	blood vessel	
vaso	vessel	
ven	vein	
ventric(ul)o	ventricle (lower	
	chamber of heart)	

DIGESTIVE
(GASTROINTESTINAL)
SYSTEM

ROOT/STEM	MEANING	
abdomin	abdomen/abdominal	
	wall	
an	anus	
bili	bile	
bucc	cheek	
caec	caecum	
col(on)	colon	
cholangi	bile/biliary vessels	
chole	bile	
cholecyst	gallbladder	
choledoch	common bile duct	
duoden	duodenum (part of	
	intestine)	

intestine
stomach
liver
ileum (part of
intestine)
jejunum (part of
intestine)
abdomen/abdominal
wall
oesophagus
pancreas
swallow, eat
rectum/anus
saliva
part of stomach
rectum
salivary gland
part of colon
mouth

ENDOCRINE SYSTEM	
ROOT/STEM MEANING	
aden	gland
adren	adrenal gland
endocrin	endocrine
	(concerning
	hormones)
hypophys	pituitary gland
parathyr	parathyroid gland
parot	parotid gland
prostat	prostate gland
thymo	thymus gland
thyr	thyroid gland

LYMPHATIC SYSTEM	
ROOT/STEM	MEANING
aden	gland
lymph	lymphatic, lymph
lymphaden	lymph gland
lymphangl	lymph vessel
splen	spleen

MUSCULOSKELETAL
SYSTEM

313	I EIVI
ROOT/STEM	MEANING
acetabul	acetabulum (part of
	the hip)
arthr	joint
articul	joint
brachi	arm
burs	bursa
carp	wrist
cephal	head
cervic	neck
cheir	hand
chondr	cartilage
clavicul	clavicle (collar
	bone)
cost	rib
coxyg	соссух
crani	cranium
dactyl	finger/toe
digit	finger/toe
disc	disc between
G.SC	vertebrae
ethmoid	part of the cranium
femor	femur
fibul	fibula
front	front part of
	cranium
gnath	jaw
hallux	big toe
humer	humerus
ili	ilium (part of pelvis)
ischi	ischium (part of hip)
lamino	lamina (part of
	vertebra)
mal(ar)	cheek bone
mandibul	lower jaw
mastoid	mastoid (part of
mastora	ear)
maxill	upper jaw
myel	bone
IllyCi	marrow/spinal cord
myo(s)	muscle
occipit	occipital bone (part
Occipit	of the cranium)
olecran	part of the elbow
OS	bone
ossic(ul)	ossicles (ear bones)
USSIC(UI)	טשטונוכש (כמו שטווכש)

oste	bone	
pariet	parietal bone (part	
position.	of the cranium)	
patell	patellar (knee cap)	
ped	foot	
phalangio	fingers, toes	
pleuro-	rib	
podo	foot	
pollex	thumb	
pub	pubis	
pyel	pelvis	
rachio	spine	
radio	radiation, radius	
	(arm bone)	
rhabdomyo	striated muscle	
sacr	sacrum	
scapulo	shoulder blade	
sphenoido	part of the cranium	
spondyl	vertebra	
sterno	sternum	
	(breast bone)	
synovo	synovial	
tarso	foot	
temporo	temporal bone	
ten(din)o	tendon	
tibio	tibia (main lower	
	leg bone)	
turbino	bone in the nose	
	(turbinate)	
ulno	ulna (arm bone)	
vertebr	vertebra	
zygo(mato)	cheek bone	
	(zygomatic)	

NERVOUS SYSTEM AND MENTAL HEALTH

ROOT/STEM	MEANING
cerebell	cerebellum (part of
	the brain)
cerebr	brain
encephal	brain
mening	meninges
neur	nerve
phren	mind
psych(o)	mind
radiculo	nerve root

REPRODUCTIVE SYSTEM	
ROOT/STEM	MEANING
balan	penis
cervic	cervix
colp	vagina
endometri	endometrium (lining
	of uterus)
genit	genital
hyster	womb/uterus
mamm	breast
mast	breast
men(o)-	menstruation
metro	uterus
myometri	myometrium (uterus
	muscle)
oestr	oestrogen
00	egg/ovum
oophor	ovary
orchi(d)	testicle/testis
ovar	ovary
pen	penis
phall	penis
salping	fallopian tube
spermato	spermatozoa/semen
thelo	nipples
tilo	breast
uter	uterus (womb)

RESPIRATORY SYSTEM	
ROOT/STEM	MEANING
alveol	air sac
bronch	bronchus
bronchiol	bronchiole
epiglott	epiglottis
laryng	larynx
pharyng	pharynx
phren	diaphragm
pleuro	pleura/side
pneumo(no)	air/gas/lung
pnoea	breathing
pulmon	lung
spiro	breath
steth	thorax/chest
thorac(ic)o	thorax
tonsillo	tonsils

tracheo	trachea	
uvulo	uvula	
SENSORY ORGANS		
ROOT/STEM	MEANING	
aur	ear	
blephar	eyelid	
choroid	choroid (layer of	
	eye)	
cor(e)	pupil	
cycl	ciliary body (of eye)	
gloss	tongue	
irid	iris	
kerat	cornea, skin	
labyrinth	labyrinth (ear)	
lingu	tongue	
myring	eardrum	
nas	nose	
ocul	eye	
ophthalm	eye	
opt	sight	
orbit	part of the eye	
	socket	
ot	ear	
phako	lens (eye)	
retin	retina	
rhin	nose	
tarso	eyelid	
tympan	tympan eardrum	
uveo	uveal tract (part of	
	eye)	
vestibulo	vestibule of inner	
	ear	

URINARY SYSTEM	
ROOT/STEM	MEANING
cyst	bladder
glomerul	glomerulus (part of
	kidney)
nephr	kidney
pyel	kidney
ren	kidney
ureter	ureter
urethr	urethra
ur(in)o	urine, urinary
	organs

SUFFIXES

SUFFIX	MEANING
-a	condition of
-ac	concerning/pertaining
-aemia	blood
-	sensibility
aesthesi	
a	
-al	pertaining to
-algia	pain
-an	pertaining to
-ase	enzyme
-ate	a salt
-blast	immature cell
-cele	swelling/protrusion/herniatio
	n
-chezia	defecation
-cide	killing, destroying
-clasis	breaking
-coccus	round cell, type of bacteria
-crine	secrete
-cyte	cell
-derm	skin
-desis	binding together
-dipsia	thirst
-dynia	pain
-ectasis	dilatation (enlargement)
-form	having the form/shape of
-fuge	expelling
-gen	producing/forming/origin
-genesis	forming or origin
-genic	producing or forming
-gogue	increasing flow
-gram	a picture
-graph	a machine which records
-graphy	the procedure of recording
-gravid	pregnancy
-ia	condition of/state of
-iasis	condition of/state of
-iatric	pertaining to
	medicine/treatment
-ic	concerning/pertaining to
-iosis	condition of/state of
-ism	condition of/state of
-itis	inflammation of

-ive	relating to, belonging to, of
	the nature of, tending to
-kinesis	movement, activity
-lalia	speech
-lith	stone
-lithesis	slipping
-lithiasis	condition of stones
SUFFIX	MEANING
-malacia	softening
-megaly	enlargement
-meter	measure
-oedema	swelling caused by excess fluid
-oid	likeness, resemblance
-ology	scientific study of
-oma	tumour
-opia	condition of the eye
-opsia	vision
-opsy	looking at
-osis	condition of
-ous	like, similar to
-paresis	weakness
-pathy	disease
-penia	lack of, decreased
-phage	eating/ingesting/swallowing
-phagia	eating/ingesting/swallowing
-phakia	lens of the eye
-phasia	speech
-philia	loving, affinity for
-phobia	irrational fear of
-phylaxis	protection, prevention
-plasia	formation
-plegia	paralysis
-pnoea	breathing
-poiesis	making
-ptosis	drooping/falling
-ptysis	cough
-	rhythm
rhythmia	
-rrhage	heavy bleeding
-rrhagia	condition of heavy bleeding
-rrhexis	rupture of
-rrhoea	flowing, discharge
-sclerosis	hardening
-scope	lighted instrument used for
	examination
	•

-somatic	pertaining to the body
-spadia	to draw out
-stasis	cessation of movement/flow

-stat	an agent to prevent moving or
	change
-staxis	dripping (blood)/continuous
	slight loss

-stenosis	narrowing
-sthe(a)nia	strength

-taxia	co-ordination, order
-tocia	labour/birth
-tome	cutting instrument

-tripsy	crushing
-triptor	instrument used to crush
-trophy	nourishment, food
-trop(h)ic	affinity, turning toward
-tussis	cough
-uria	condition of urine

SURGICAL PROCEDURES

SUFFIX	MEANING
-centesis	puncture, drawing off
-cision	cutting
-clysis	injection/infusion
-ectomy	surgical removal of
-lysis	breaking down/splitting
-реху	fixation of
-plasty	form, mould, reconstruct
-rrhaphy	sewing, repair
-scopy	examination with a lighted instrument
-stomy	artificial opening into
-tomy	to cut into, divide

For example:

ARTHROSCOPY		
ARTHR-	-O-	-SCOPY
joint	aa malaining wawal	examination with a
	combining vowel	lighted instrument
'examination of the inside of a joint with a lighted instrument'		

ORCHIOPEXY		
ORCHI-	-0-	-PEXY
testicles	combining vowel	fixation of
'fixation of an undescended testicle'		

TRACHEOSTOMY		
TRACHEOSTOMY		
trachea	combining vowel	artificial opening
'an artificial opening into the trachea'		

CLASSIFICATION OF DISEASES AND ASSOCIATED TERMS

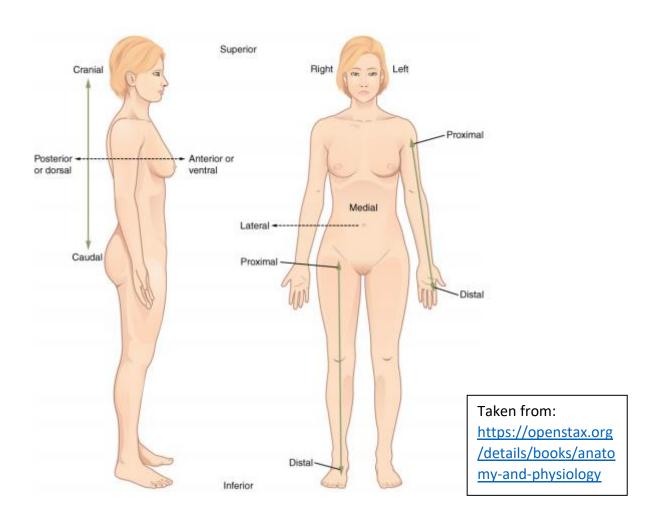
TERM	MEANING
	A
acquired	occurring after birth
acute	of sudden onset
aetiology	the scientific study of the cause of disease
allergic	hypersensitivity to foreign protein
atrophy	wastage or shrinking of an organ
	В
benign	not harmful or not invasive
	C
chronic	of long, slow duration
congenital	present at birth
cryptogenic	of doubtful or hidden origin
	D
diagnosis	determination of the nature of disease using
	signs and symptoms
differential diagnosis	one of a list of possible diagnoses given the
	presenting signs and symptoms
dystrophy	disorder of an organ or tissue caused by
	faulty nutrition of the affected part
	E
empirical	treatment given based on experience, not on
	scientific reasoning
epidemiology	study of the cause of disease including social
	factors
exacerbate	increase in the severity of symptoms of a
	disease
familial	occurs in families
functional	affects the bodily function
hypertrophy	increase in the size of tissue or an organ
iatrogenic	condition caused by a healthcare professional
	or by medical treatment
idiopathic	self-originating – applied to conditions where
	the cause is not known
infective/infectious	disease capable of being spread from one
	person (or animal) to another
	M
malignant	harmful, damaging condition which may worsen
metabolic	concerning disorder of basic working
	(physiology) of the body
<u> </u>	1 1 011

morbid	abnormal	
N		
neoplastic	producing new growths (cancerous)	
0		
organic	structural abnormality demonstrated	
P		
prognosis	forecast of the probable cause and outcome	
	of a disease	
S		
sub-clinical	not producing any obvious signs or symptoms	
syndrome	collection of three or more signs and	
	symptoms which together form a disease	
systemic	involving the entire body	
Т		
toxic	caused by poison/poisonous	
traumatic	caused by injury/damage	

ANATOMICAL PLANES AND POSITIONS

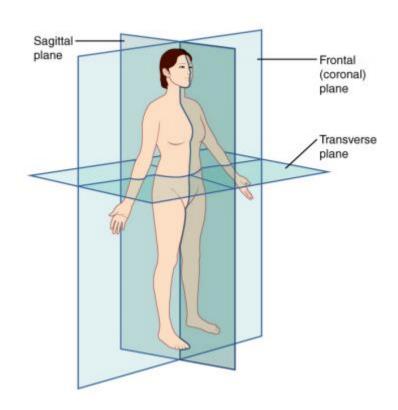
Anatomical positions are used to describe the relative locations of body parts. This helps to ensure precision when talking about the body.

ANATOMICAL POSITIONS	
anterior (or ventral)	the front or toward the front
posterior (or dorsal)	the back or toward the back
superior (or cranial)	the upper section or toward the head
inferior (or caudal)	the lower section or toward the tail
lateral	the side or toward the side
medial	the middle or toward the middle
proximal (for limbs)	nearer the point of attachment or the trunk
	of the body
distal (for limbs)	further from the point of attachment or the
	trunk of the body
superficial	closer to the surface of the body
deep	further from the surface of the body



Anatomical planes are imaginary two-dimensional surfaces that pass through the body. They divide the body into sections. Using anatomical planes and sections helps clinicians to interpret scans.

ANATOMICAL PLANES	
frontal/coronal	lengthwise (vertically) from side to side, dividing the body into anterior (ventral) and posterior (dorsal) sections
horizontal/transverse	divides body horizontally into upper and lower parts, providing images referred to as 'cross-sections'
sagittal	lengthwise (vertically from front to back) – a line directly down the middle is referred to as a midsagittal or median plane; a line either side of the middle is called a parasagittal plane or longitudinal section



Taken from:

https://openstax.org/details/ books/anatomy-andphysiology

CLINICAL ABBREVIATIONS

ABBREVIATION	MEANING
#	fracture
-	negative
+	positive OR present
++	present significantly
+++	present in excess
=	equivalent to
~	approximately
^	increasing
↑	decreasing
\leftrightarrow	stable
Δ	diagnosis
/7	days
/12	months
/40	weeks' gestation
/52	weeks
1°	primary
2°	secondary
Х	times
A	
A&W	alive and well
AAA	abdominal aortic aneurysm
AAND	allow a natural death
ab	abortion
ABC	aspiration, biopsy, cytology
abd(o)	abdomen/abdominal
ABG	arterial blood gas
ABMP	ambulatory blood pressure
	monitoring
AHMP	approved mental health
	practitioner
ABR	auditory brain stem
	response
асс	accommodation
ACE(I)	angiotensin-converting
	enzyme (inhibitor)
ACJ	acromioclavicular joint
ACL	anterior cruciate ligament
ACTH	adrenocorticotropic
	hormone
ACS	acute coronary syndrome
AD/ad	right ear (auris dextra)
ADD	attention deficit disorder
ADH	antidiuretic hormone

ARB	angiotensin receptor blocker
ARC	AIDS-related complex
ARM	artificial rupture of
7	membranes
ART	assisted reproductive
	technology
AS	left ear (auris sinister) OR
	aortic stenosis OR
	abdominal system
ASD	autism spectrum disorder
	OR atrial septal defect
ASHD	arteriosclerotic heart
	disease
ASIS	anterior superior iliac spine
ASQ	ages and stages
_	questionnaire
Ast	astigmatism
AST	aspartate transaminase
A.T.C.I	(cardiac enzyme)
ATFL	anterior talofibular ligament
ATP	adenosine triphosphate
AU/au	both ears (aures unitas) OR
A)/	each ear (auris uterque)
AV	atrioventricular
Ax AXR	assessment
AAN	abdominal x-ray B
BaE	barium enema
BaM	barium meal
BAU	business as usual
BBA	born before arrival
BBV	blood-borne virus
BCC	basal cell carcinoma
BCG	bacillus Camille-Guérin (TB
	vaccine)
BESD	behavioural, emotional and
	social difficulties
BF	breastfeeding
BFZ	bendroflumethiazide
	(diuretic medication)
BI	bone injury
BID	brought in dead
BM	bowel movement OR
	Boehringer Mannheim
	(blood glucose)
BMI	body mass index
BNO	bladder neck obstruction OR
	bowels not opened
ВО	bowels open

ВР	bipolar disorder OR blood
	pressure
BPD	borderline personality
	disorder OR biparital
	diameters
BPM	beats per minute
Br	breech
BRCA	breast cancer gene
BS	breath sounds OR bilateral
	salpingectomy OR blood
	sugar OR bowel sounds
BSE	bovine spongiform
	encephalopathy ('mad cow'
	disease)
BSL	British sign language
BSO	bilateral salpingo-
	oophorectomy (surgical
	removal of the Fallopian
	tubes and ovaries)
BUN	blood urea nitrogen
BW	birth weight
Bx	biopsy
	С
(m)C&S	(micro)culture and
,	sensitivity
c/c	chief complaint
C/O	complains of
C/S	caesarean section
C1, C2, etc.	cervical vertebrae
C diff	Clostridium difficile
Ca	carcinoma OR calcium
CA	chronological age OR cancer
CAB/C&B	choose and book
CABG	coronary artery bypass graft
CABS	coronary artery bypass
	surgery
CAD	coronary artery disease
CAPD	continuous ambulatory
	peritoneal dialysis
CAT	computerised axial
	tomography (type of scan:
	computerised X-ray of layers
6.1.1-	of tissue)
CAUTI	catheter-associated urinary
	tract infection
СВТ	cognitive behavioural
	therapy
CCB CCF	calcium channel blocker congestive cardiac failure

CCG	clinical commissioning group
CCT	clinical commissioning group controlled cord traction
CD or cd or CD	controlled drugs
CDH	congenital dislocation of the
СБП	hip
conh	cephalic
ceph CF	cystic fibrosis
CFS	chronic fatigue syndrome
CHD	
CHD	coronary heart disease
	congestive heart failure
CIBH	change in bowel habits
CIC	child in care
CIN (I-IV)	cervical intra-epithelial
0.15	neoplasia OR child in need
CJD	Creutzfeldt-Jacob disease
CKD	chronic kidney disease
CLL	chronic lymphocytic
	leukaemia
CMC	carpometacarpal joint
CHMN	community mental health
	nurse
CML	chronic myeloid leukaemia
CNS	central nervous system OR
	clinical nurse specialist
CO	carbon monoxide
C°	Celsius
CO ₂	carbon dioxide
COAD	chronic obstructive airway
	disease
COC(P)	combined oral contraceptive
	(pill)
COHS	controlled ovarian hormone
	stimulation
COLD	chronic obstructive lung
	disease
conts	contractions
COPD	chronic obstructive
	pulmonary disease
(n)CoV	(novel) coronavirus
СРАР	continuous positive airway
	pressure
CPD	cephalo-pelvic disproportion
СРК	creatine phosphokinase
	(cardiac enzyme) OR care
	package
CPN	community psychiatric nurse
CPR	cardiopulmonary
	resuscitation
CPT	carpal tunnel syndrome

CQC	Care Quality Commission
CQUIN	commissioning for quality
	and innovation
Cr	creatinine
CRL	crown rump length
CROM	clinician reported outcome
	measure
CRP	C-reactive protein (indicates
	presence of inflammation
	within the body)
CRT	capillary refill time
CSF	cerebrospinal fluid
CSp	cervical spine
CSU	catheter specimen of urine
CT	coronary thrombosis OR
	computerised tomography
CTG	cardiotocograph
СТО	community or compulsory
	treatment order
CTPA	computer tomography
	pulmonary angiogram
CVA	cerebrovascular accident
	(stroke) OR costo-vertebral
	angle
CVC	cyclic(al) vomiting syndrome
CVD	cardiovascular disease
CVP	central venous pressure
CVS	chorionic villus sampling (to
	detect foetal abnormalities)
	OR cardiovascular system
Cx	cervix
CXR	chest x-ray
	D
D	diopter (lens strength)
D&C	dilatation and curettage
	(scraping out of womb)
D&V	diarrhoea and vomiting
d/c	discharge
D/W	discussed with
D2A	discharged to assess
DAMA	discharged against medical
	advice
db	decibel (measure of volume)
DBP	diastolic blood pressure
DBT	dialectical behaviour
	therapy
DC	day case
DCIS	ductal carcinoma in situ
	(type of breast cancer)

DD	delayed discharges
Dec	deceased
DEXA	dual energy x-ray
	absorptiometry (bone
	density scan)
DH	drug history
DIP	distal interphalangeal joints
DLE	disseminated/discoid lupus
	erythematosus
DM	diabetes mellitus
DMARD	disease-modifying anti-
	rheumatic drug
DNA	did not attend OR
	deoxyribonucleic acid
DNA(CP)R	do not attempt
	(cardiopulmonary)
	resuscitation
DNR	do not resuscitate
DOA	dead on arrival
DOAC	direct oral anticoagulant
DOB/dob	date of birth
Dr	doctor
DRUJ	distal radioulnar joint
DT	delirium tremens OR
	diphtheria, tetanus vaccine
DTaP	diphtheria, tetanus, acellular
	pertussis vaccine
DTOC	delayed transfer of care
DTP	diphtheria, tetanus,
	pertussis (whooping cough)
	vaccine
DTs	delirium tremens
DTwP	diphtheria, tetanus, whole
	cell pertussis
DU	duodenal ulcer
DUB	dysfunctional uterine
5.7	bleeding
DV	domestic violence
DVT	deep vein thrombosis
DWP	discussed with patient
Dx	diagnosis
Dxr	deep x-ray
DXT	deep x-ray
	therapy/treatment
	E
EBL	estimated blood loss
EBM	expressed breast milk
EBT	electron beam tomography
ECG	electrocardiogram

ECT	electroconvulsive therapy
ECV	external cephalic version
ED	erectile dysfunction OR
	emergency department OR
	eating disorder
EDC	expected date of
	confinement
EDD	expected date of delivery OR
	expected date of discharge
EEG	electroencephalogram
eGFR	estimated glomerular
	filtration rate
EHC	emergency hormonal
	contraception
EHR	electronic health record
EI	early intervention
EI C/S	elective lower segment
	caesarean section
EI LSCS	elective lower segment
	caesarean section
EMA	emergency medical
	admission
Em C/S	emergency lower segment
	caesarean section
Em LSCS	emergency lower segment
	caesarean section
EMG	electromyogram
EMI	elderly, mentally ill/infirm
EMS	early morning stiffness
EMU	early morning urine sample
EOF	end organ failure
EOLC	end of life care
EOM	extraocular movement
EP	emergency plan
EPR	electronic patient records
ERCP	endoscopic retrograde
	cholangiopancreatography
ERPC	evacuation of retained
	products of conception
ESD	early supported discharge
ESL	extracorporeal shock-wave
	lithotripsy
ESMI	elderly, severely mentally
_	ill/infirm
ESN	educationally sub-normal
ESR	erythrocyte sedimentation
	rate
ETA	estimated time of arrival

	,
ETP	electronic transmission of
	prescriptions
EUA	examination under
	anaesthetic
EVS	external ventricular drain
	F
FAROM	full active range of
	movement
FAS	foetal abnormality or
	alcohol syndrome
FAST	focused assessment with
	sonography in trauma
FB	foreign body OR finger
	breadth OR fasting blood
FBC	full blood count
FBG	fasting blood glucose
FBS	fasting blood sugar (to
	determine diabetes mellitus
	or low blood sugars) OR
	foetal blood sampling
FDIU	foetal death in utero
Fe	iron
FEV ₁	forced expiration volume
	(small number shows timed
	interval in seconds)
FFP	frozen fresh plasma
FGC	female genital cutting
FGM	female genital mutilation
FH	family history OR foetal
	heart OR familial
EIIII	hypercholesterolaemia
FHH	foetal heart heard
FHHR	foetal heart heard and
FUNIT	regular
FHNH	foetal heart not heard
FiO ₂	fraction of inspired oxygen
FMF	foetal movement felt
FMRI	functional magnetic
ENAC	resonance imaging
FMS FNA	fine motor skills
	fine needle aspiration
FNE	fibre optic nasal endoscopy
FOOSH	fall on outstretched hand
FPROM	full passive range of
EDON4	movement
FROM	full range of movement
FSE	foetal scalp electrode
FSH	follicle stimulating hormone
FTND	full term normal delivery

FU	follow up
FUO	fever of unknown origin
FVC	forced vital capacity
FWB	fully weight bearing
FY (1/2)	foundation year (1/2) doctor
, ,	G
G&A	gas and air
G&S	blood group and save
G&X match	blood group and cross
	match
GA	general anaesthesia
GAD	general anxiety disorder
GCA	giant cell arteritis
GCS	Glasgow Coma Scale
GH	growth hormone
GHJ	glenohumeral joint
GI(T)	gastrointestinal tract
GIRFT	getting it right first time
GIFT	gamete intra-fallopian
	transplantation
GMS	gross motor skills
GOK	God only knows
GORD	gastro-oesphageal reflux
	disease
GOT	glutamicoxalo-acetic
	transaminase (cardiac
	enzyme)
GP	General practitioner OR
	gutta parcha (root canal
	filling)
GPI	general paralysis of the
CTT	insane
GTT	glucose tolerance test (to
CII	diagnose diabetes mellitus)
GU	genitourinary OR gastric ulcer
GUM	
GUS	genitourinary medicine genitourinary system
GUT	genitourinary system genitourinary tract
GVHD	graft vs. host disease (in
GVID	
transplants) H	
H/O	history of
H ₂ O	water
HAI	hospital-acquired or
11731	healthcare-associated
	infection
Hb	haemoglobin
~	1

HbA ₁ , HBA ₁ or	blood test for diabetes
HbA₁C	mellitus
HBL	horizontal bone loss OR
	horizontal beam lateral
HC	head circumference
HCG	human chorionic
	gonadotrophic hormone
HCl	hydrochloric acid
HCM	hypertrophic (obstructive)
	cardiomyopathy
HCP	healthcare professional
HCT	haematocrit
HCTZ	hydrochlorothiazide (high
	blood pressure medication)
HD	Huntington's disease OR
	high definition OR heloma
	durum (hard corn on the
	foot)
HDL	high-density lipoprotein
HE	healthy eating OR higher
	education
Нер А	hepatitis A viral infection
	(waterborne)
Нер В	hepatitis B viral infection
	(bodily fluids)
Hep C	hepatitis C viral infection
HETF	home enteral tube feeding
HF	heart failure
Hg	mercury
HI	hypodermic injection OR
	hearing impairment OR
	head injury
HIB	haemophilus influenzae
	bacillus – immunisation for
	babies
HIV	human immunodeficiency
	virus
HM	hand movement
HMR	hospital medical record
HNPU	has not passed urine
HoCM	hypertrophic (obstructive)
	cardiomyopathy
Нр	helicobacter pylori
HPC	history of present complaint
HPL	human placental lactogen
HPU	has passed urine
HPV	human papilloma virus
HR	human resources OR hallux
	rigidus

LID (/D)	hand of the last
HR(/P)	heart rate(/pulse)
HRT	hormone replacement
	therapy
hrs	hours
HS	heart sounds
HSV	herpes simplex virus
ht	height
HTN	hypertension
HUS	haemolytic uraemic
	syndrome
HVGD	host vs. graft disease
HVS	high vaginal swab
Hx	history
	I
I&C	incision and curettage
IBD	inflammatory bowel disease
IBS	irritable bowel syndrome
IDDM	insulin-dependent diabetes
	mellitus
IDVA	independent domestic
	violence advisor
IF	interstitial fluid
lg	immunoglobulin
IgA	immunoglobulin (gamma) A
IgBF	immunoglobulin (gamma)
	binding factor
IgD	immunoglobulin (gamma) D
IgE	immunoglobulin (gamma) E
IgG	immunoglobulin (gamma) G
IgM	immunoglobulin (gamma) M
IGT	impaired glucose tolerance
IGTN	in-growing toenail
IM	intermetatarsal OR
	intramuscular
IMB	inter-menstrual bleeding
IMCA	independent mental
	capacity advocate
INR	international normalised
	ratio (prothrombin time)
IOFB	intraocular foreign body
IOL	induction of labour
IOP	intraocular pressure
IP	inpatient
IP&C	infection prevention and
	control
IPJ	interphalangeal joint
IPPB	intermittent positive
5	pressure breathing
<u> </u>	F. 2220. C 2. C40

	,
IPPV	intermittent positive
	pressure ventilation
IPV	inactivated polio
	virus/vaccine
IQ	intelligence quotient
ISQ	in status quo (no change)
ITB	iliotibial band
IUC	idiopathic ulcerative colitis
IUCD	intra-uterine contraceptive device
IUD	intra-uterine device OR
100	intra-uterine death
IUFB	intra-uterine foreign body
IUGR	intra-uterine growth
10011	restriction
IUI	intra-uterine insemination
IUC	intravenous system
IVC	intravenous
	cholangiography OR inferior
	vena cava
IVDU	intravenous drug user
IVF	in-vitro fertilisation
IVI	intravenous infusion
IVP	intravenous pyelogram
IVT	intravenous transfusion
IVU	intravenous urogram
lx	investigations
	J
JVP	jugular venous pressure
	К
K	potassium
KUB	kidney, ureter and bladder (X-ray)
	L
L&D	light and dark OR labour and
14 12 :	delivery
L1, L2 etc.	lumbar vertebrae
LA	local anaesthetic OR left
	atrium OR local authority
LAC	looked-after children
LASIK	laser in situ keratomileusia
LBC	liquid-based cytology
LCL	lateral collateral ligament
LCP	Liverpool Care Pathway
LCS	left convergent squint (eye
- 6	turns inward)
LD	learning disability OR lactate
	dehydrogenase (cardiac
	enzyme) OR lethal dose

LDL	low density lipoprotein
LDS	left divergent squint (eye
	turns outwards)
LFD	late for dates
LFT	liver function tests
LGA	large for gestational age
LH	luteinising hormone
LIF	left iliac fossa
LIH	left inguinal hernia
LL	lower limb
LLQ	left lower quadrant
LMP	last menstrual period
LN	lymph node
LOA	left occipito anterior
	(position of fetus in uterus)
LOC	loss of consciousness
LOL	left occipito lateral (position
	of fetus in uterus)
LOP	left occipito posterior
	(position of fetus in uterus)
LOS	length of stay
LOT	left occipito transverse
	(position of fetus in uterus)
LP	lumbar puncture
LRTI	lower respiratory tract
	infection
LSA	left sacro anterior
LSCS	lower segment caesarean
	section
LSL	left sacro lateral
LSP	left sacro posterior
LSp	lumbar spine
LTC	long-term condition
LTH	luteotropic hormone
	(prolactin)
LUQ	left upper quadrant
LV	left ventricle
LVDD	left ventricular diastolic
	dysfunction
LVSD	left ventricular systolic
	dysfunction
	M
MA	mental age
MAOI	monoamine oxidase
	inhibitor (antidepressant)
MC	metacarpal
MC&S	microscopy, culture and
2.00	sensitivity
	,

	,
MCH	mean corpuscular
	haemoglobin
MCHC	mean corpuscular
	haemoglobin concentration
MCL	medial collateral ligament
MCP(J)	metacarpophalangeal joint
MCV	mean corpuscular volume
	(size of cell)
MDA	multi-disciplinary
	assessment
MDT	multidisciplinary team OR
	multi-drug therapy
ME	myalgic encephalomyelitis
Mec st	meconium staining
MEOWS	modified early obstetric
	warning score
MET/S	metastases
MEWS	modified early warning
	score
MFFD	medically fit for discharge
Mg	magnesium
MgSO ₄	magnesium sulphate
MH	mental health
MI	myocardial infarction OR
	mitral incompetence
MMH	maternal mental health
mmHg	millimetres of mercury
MMR	measles, mumps, rubella
	(vaccine)
MND	motor neurone disease
MOF	multi-organ failure
MRI	magnetic resonance imaging
MROP	manual removal of placenta
MRSA	multiple-/methicillin-
	resistant <i>Staphylococcus</i>
	aureus
MS	multiple sclerosis OR mitral
	stenosis
MSE	mental state examination
MSH	melanocyte-stimulating
	hormone
MSK	musculoskeletal
MST	multi-systemic therapy
MSU	mid-stream specimen of
14133	urine
MT	metatarsal
MTP(J)	metatarsophalangeal joint
IVITE (J)	metatar soprialangear joint

(chemotherapy/immune suppressant drug) MUA manipulation under anaesthetic MUR medicines use review MUS medically unexplained symptoms N N&V nausea and vomiting N/A not applicable N/K not known N/T not tested Na sodium NAD no abnormality detected/demonstrated NAI non-accidental injury NASH non-alcoholic steatohepatitis NBFD Neville Barnes forceps delivery NBI no bone injury NBM nil by mouth NBS newborn blood spot ND normal delivery NDI nephrogenic diabetes insipidus NE never event NEWS national early warning score NFR not for resuscitation NG new growth OR nasogastric NGT nasogastric tube NHL non-Hodgkins lymphoma NHS No. NHS number NIDDM non-insulin dependent diabetes mellitus nmol nanomoles NMR nuclear magnetic resonance NND neonatal death NOAD no other abnormality detected NOF(F) neck of femur (fracture) NOK next of kin NP new patient OR nurse practitioner placement therapy	MTX	methotrexate
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NPO nil per oral NPU not passed urine NRT nicotine replacement	NP	new patient OR nurse
NPU not passed urine NRT nicotine replacement		practitioner
NRT nicotine replacement	NPO	nil per oral
·	NPU	not passed urine
therapy	NRT	nicotine replacement
		therapy

	T
NSAID	non-steroidal anti-
	inflammatory drug
NSCLC	non-small cell
	lung carcinoma
NSTEMI	non-ST elevation myocardial
	infarction
NTDs	neural tube defects (of the
	brain, meninges or spinal
	cord; e.g. spina bifida)
NT-proBNB	blood test for heart failure
NVD	normal vaginal delivery
NWB	non-weightbearing
	0
O ₂	oxygen
O/A	on arrival/admission
o/e	on examination
OA	osteoarthritis OR on
	arrival/admission
OATs	out of area treatments
obs	observations OR obstetrics
OCD	obsessive-compulsive
	disorder
OD	oculus dexter (right eye)
O(/)E	on examination
OGD	oesophago-gastro-
	duodenoscopy
OGTT	oral glucose tolerance test
OM	otitis media OR
	osteomyelitis OR
	onychomycosis
ONTR	orders not to resuscitate
ООН	out of hours
OOHC	out of hours care
OP	outpatient OR original pack
OPATT	outpatient attendance
OPROC	outpatient procedure
ORD	oesophageal reflux disease
ORIF	open reduction and internal
	fixation (of fracture)
OS/os	oculus sinister (left eye)
OTC	over the counter
OU/ou	oculus uterque (each eye)
P	
Р	pharmacy only drugs OR
	pulse
P&N	pins and needles
p/c	presenting complaint
PACS	Picture Archiving and
1 765	Communication System OR
	communication system or

	partial anterior circulation
	stroke
PAD	peripheral arterial disease
PAP	Papanicolaou smear
	(cervical smear)
PAR	patient at risk
PAT	paroxysmal atrial
	tachycardia
PBI	protein-bound iodine
PC	primary care
PCB	post-coital bleeding
PCI	percutaneous coronary
	intervention
PCL	posterior cruciate ligament
PCO	patient complains of OR
	polycystic ovaries
PCOS	polycystic ovarian syndrome
PCP	Pneumocystis carinii
	pneumonia
PCV	packed cell volume
PD	Parkinson's disease OR past
	due OR posterior distal
PDA	patient decision aid
PDT	photodynamic therapy
PE	pulmonary embolism
PEEP	positive end expiratory
PEFR	pressure peak expiratory flow rate
PEMD	people with enduring
PLIVID	mental disorder
PERLA/PERRLA	pupils equal (round), react
I LINDAYI LINNEA	to light and accommodation
PET	pre-eclamptic toxaemia OR
, , ,	position emission
	tomography (type of scan)
PEWS	paediatric early warning
	score
PF	peak flow
PFJ	patellofemoral joint
PGD	patient group direction
PGE ₂	prostaglandin
PGP	pelvic girdle pain
PH	past history
рН	acid/alkaline balance
PI	peripheral iridotomy
PID	pelvic inflammatory disease
	OR prolapsed inter-vertebral
	disc
	•

PIH	pregnancy-induced
	hypertension
PII	personally identifiable
	information
PIP(J)	proximal interphalangeal
	joint
PLCV	procedures of limited clinical
	value
plt	platelets
PM	postmortem
PMB	post-menopausal bleeding
PMH (or PHx)	past medical history
PMS	pre-menstrual syndrome
PN	postnatal
PND	post-nasal drip OR
	paroxysmal nocturnal
	dyspnoea OR postnatal
DALL	depression
PNH	paroxysmal nocturnal
DO.	haemoglobinuria
PO	per oral
POCT POD	point of care testing
POM or POM	pouch of Douglas
POP	prescription-only medication plaster of Paris OR
FOF	progesterone only pill OR
	persistent occipito posterior
PP	placenta praevia OR private
	patient
PPH	postpartum haemorrhage
PPI	proton pump inhibitor
PRK	photo-refractive keratotomy
PRN	as required
PPROM	preterm premature rupture
	of membranes
PROM	premature (or pre-labour or
	prolonged) rupture of
	membranes OR patient-
	related outcome measure
PSA	prostatic-specific antigen
	(test for prostate cancer) OR
	psoriatic arthritis
PSIS	posterior superior iliac spine
pt/PT	physiotherapy OR patient
	OR posterior tibial
PTCA	percutaneous transluminal
	coronary angioplasty
PTH	parathyroid hormone
PTL	patient tracking list

PTSD	post-traumatic stress
	disorder
PTT	prothrombin test time OR
	partial thromboplastin time
PU	passed urine OR peptic ulcer
	OR pressure ulcer
PUO	pyrexia of unknown origin
PVC	premature ventricular
	contraction
PVD	pulmonary vascular disease
	OR peripheral vascular
D) (C	disease
PVS	persistent vegetative state
PYLL	potential years of life lost
OALV	Q
QALY	quality-adjusted life year
QoL	quality of life
DA	R who a material authoritie OR
RA	rheumatoid arthritis OR
	right atrium OR risk
DAC	assessment OR right auricle
RAG	red, amber, green
DAI	assessment rating
RAI	radioactive iodine
RAIU RAIT	radioactive iodine uptake
KAH	rapid assessment, interface and discharge
RAT	rapid assessment and
NAT	treatment
RBC	red blood cell/count
RCL	radial collateral ligament
RCS	right convergent squint (eye
	turns inwards)
RD	respiratory disease
RDS	respiratory distress
	syndrome OR right divergent
	squint (eye turns outwards)
REM	rapid eye movement
resp	respiration
RFT	respiratory function test OR
	renal function test
RGP/RP	retrograde pyelogram
Rh	rhesus
RIF	right iliac fossa
RIH	right inguinal hernia
RIS	radiology information
	system
RLQ	right lower quadrant
RN	registered nurse

RNLD	learning disability nurse
ROA	right occipito anterior
NOA	(position of fetus in uterus)
ROL	right occipito lateral
KOL	(position of fetus in uterus)
ROM	
	range of movement
ROP	right occipito posterior
ROSC	(position of fetus in uterus)
RUSC	return of spontaneous circulation
ROT	right occipito transverse
KOT	(position of fetus in uterus)
RR	
RRR	respiratory rate
KKK	recovery, rehabilitation and reablement
DC	
RS	respiratory system
RSI	repetitive strain injury OR
DCV	rapid sequence induction
RSV	respiratory syncytial virus
RT	radiation therapy
RTA	road traffic accident OR
DTC	renal tubular acidosis
RTC	road traffic collision/crash
RTT	referral to treatment
RUQ	right upper quadrant
RV	right ventricle
RVS	respiratory virus syndrome
Rx	treatment
	S
SA	sarcoma
SAD	seasonal affective disorder
SADS	sudden adult death
	syndrome
SAH	subarachnoid haemorrhage
SAMS	stabilise and make safe
SARS	sudden acute respiratory
	syndrome
SAS	staff grade/associate
	specialist doctor
S/B	seen by
SB	stillbirth
SBG	serum blood glucose
SBP	systolic blood pressure
SC	sine correctione (without
	corrective spectacles) OR
	secondary care OR social
	care
SCAN	suspected child abuse or
	neglect

Sch C/S Sch LSCS Scheduled lower segment caesarean section SCJ sternoclavicular joint SCLC small cell lung cancer SCR serious case review OR summary care record SEN special educational needs SFD small for dates SGA small for gestational age SGOT serum glutamic oxaloacetic transaminase (liver enzyme) SGPT serum glutamic pyruvic transaminase (liver enzyme) SH social history SI standard units OR sexual intercourse OR serious incident SIDS sudden infant death syndrome SIRI serious incident requiring investigation SkXR skull x-ray SLE systemic lupus erythematosus SLR straight leg raising SLS social and life skills SMI school medical inspection SMR submucosal resection SOB shortness of breath OR stools for occult blood SOL space-occupying lesion SOM supervisor of midwives SOP standard operating procedure SPC specialist palliative care SPD symphisis pubic dysfunction SpLD specific learning disability SpO2 oxygen saturation SpR specialist registrar SR sinus rhythm SROM spontaneous rupture of membranes SSRI selective serotonin reuptake inhibitor	SCC	squamous cell carcinoma
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SROM spontaneous rupture of membranes SSRI selective serotonin reuptake inhibitor	·-	-
membranes SSRI selective serotonin reuptake inhibitor		•
SSRI selective serotonin reuptake inhibitor	Sittoral	1
inhibitor	SSRI	
CTD councilly the managed the difference		
Sexually transmitted disease	STD	sexually transmitted disease

THA	total hip arthroplasty
THR	total hip replacement
THREAD	no thyroid, rheumatoid
	arthritis, epilepsy, asthma or
	diabetes
TIA	transient ischaemic attack
TIBC	total iron-binding capacity
TKA	total knee arthroplasty
TKR	total knee replacement
TLC	tender loving care OR total
	lung capacity
TLE	temporal lobe epilepsy
TM	tympanic membrane
TMJ	temporomandibular joint
TMR	transmyocardial
	revascularisation
TNM	tumour nodes metastases
TOE	trans-oesophageal
	echocardiography
TOF	Tetralogy of Fallot OR
	tracheoesophageal fistula
tomo	tomogram
(m/s)TOP	(medical/surgical)
	termination of pregnancy
TPHA	Treponema pallidum
	haemagglutination assay
	(blood test for syphilis)
TPN	total parenteral nutrition
TPR	temperature, pulse and
	respiration
TS	Tourette's syndrome
TSH	thyroid-stimulating hormone
TShR	total shoulder replacement
TSp	thoracic spine
TSS	toxic shock syndrome
TT	triple test
TTA	to take away
TTI	transfusion-transmitted
	infection
TTO	to take out
TTOM	to take out medicine
TUP	tubal uterine pregnancy
TUR	transurethral resection
TURB	transurethral resection of
	bladder
TURBT	transurethral resection of
	bladder tumour
TURP	transurethral resection of
	the prostate
	- 1

TV	tidal volume OR
	Trichomonas vaginalis
	(vaginal infection) OR tissue
	viability
TVH	total vaginal hysterectomy
TWR	two-week referral
TWW	two-week wait
Tx	therapy OR treatment
	U
U&E	urea and electrolytes
UA	urinanalysis
UC	ulcerative colitis
UCL	ulnar collateral ligament
UGI	upper gastrointestinal
UL	upper limb
UPLD	upper limb disorder
urg C/S	urgent lower segment
	caesarean section
urg LSCS	urgent lower segment
	caesarean section
UR(T)I	upper respiratory (tract)
	infection
USG	ultrasonography
USS	ultrasound scan
UTA	unable to attend
UTI	urinary tract infection
UV	ultraviolet (light)
	V
VA	visual acuity (clarity or
	accuracy of vision)
VAS	visual analogue scale (used
	for pain)
VBG	venous blood gas
VC	vital capacity of lungs
vCJD	variant Creutzfeldt-Jacob
	disease
VCU(G)	voiding cystourethrogram
VD	venereal disease
VE	vaginal examination OR
	ventricular ectopic
VF	visual field OR ventricular
	fibrillation
VI	virgo intacto (virgin) OR
	visual impairment
vit K	vitamin K
VLDL	very low-density lipoprotein
VPC	ventricular premature
	complex
VS	vital signs
L	*1tai 3i6i13

10/-		
VVs	varicose veins OR vulva and	
1.65	vagina	
VSD	ventricular septal defect	
VT	ventricular tachycardia	
VTE	venous thromboembolism	
Vx	vertex (the crown of the	
	head of the fetus)	
	W	
WBC	white blood count	
WBC&diff	white blood count and	
	different percentages	
	present	
WBCT	whole body computer	
	tomography	
WCC	white cell count	
wd	ward	
WL	waiting list	
WNL	within normal limits	
WRAPs	wellness recovery action	
	plans	
WRULD	work-related upper limb	
	disorder	
wt	weight OR waiting time	
WZF	wheeled zimmer frame	
	X	
XR(T)	x-ray (treatment)	
XRC	chest x-ray	
XX	female sex chromosomes	
XY	male sex chromosomes	
	Y	
YOB	year of birth	
	Z	
ZIFT	zygote intra-fallopian	
	transfer	
<u> </u>		

ABBREVIATIONS FOR HOSPITAL DEPARTMENTS, CLINICS, AND SERVICES

ABBREVIATION	MEANING
	Α
A&E	accident and
	emergency
AAU	acute assessment unit
ACAD	ambulatory care and
	diagnostic unit
ACC	ambulatory care centre
ACS	adult care services
ACU	ambulatory care unit
AEC	ambulatory emergency
	care
AIC	adult intensive care
	unit
AMU	acute medical unit OR
	alongside midwifery
	unit
ANC	antenatal clinic
APC	alcohol problems clinic
ASU	acute stroke unit
	В
BRC	biomedical research
	centre
BRU	biomedical research
	unit
	С
CAC	children assessment
	centre
CAMHS (LD)	child and adolescent
	mental health services
	(learning disability)
CARU	clinical audit and
	research unit
CAS	clinical assessment
	service
CAU	child and adolescent
	unit OR clinical
	assessment unit
CCG	clinical commissioning
	group
CCORT	critical care outreach
	team
CCU	coronary care unit OR
	critical care unit

	1
CDU	clinical decision unit
ChYPS	children and young
	persons' service
CIW	clinical investigation
	ward
CLAD	corporate learning and
	development
CMHT	community mental
	health team
CoE	care of the elderly OR
	care of older people
CSSD	central sterile services
	department
CSSU	children's short stay
	unit
CSU	clinical service unit OR
	commissioning support
	unit
	D
DAT	drug action team
DAAT	drug and alcohol action
	team
DART	drug and alcohol
	response team
DGH	district general hospital
DID	diagnostic imaging
	department
DME	department of
	medicine for the elderly
DSU	day surgery unit
DTC	diagnosis and
	treatment centre
	E
EAU	emergency
	assessment/
	admissions unit
ED	emergency department
ENT	ear, nose, and throat
EOC	elective orthopaedic
	centre
EPAU	early pregnancy
	assessment unit
EP(A)C	early pregnancy
	(assessment) clinic

ERAS	enhanced recovery
	after surgery
	F
FMC	foetal medicine clinic
FPC	family planning clinic
FT	Foundation Trust
	G
GIC	gender identity clinic
GUM	genitourinary medicine
H gerintourinary medicine	
н@н	hospital at home
HASU	hyper acute stroke unit
HDU	high dependency unit
HEMS	helicopter emergency
	medical service
HLC	healthy living centre
HPU	health protection unit
HR	human resources
HSDU	hospital sterilisation
1.02 0	and disinfection unit
	1
IAPT	improving access to
	psychological therapies
ICU	intensive care unit
IDA	intermediate
	dependency area
IG	information
	governance
IM&T	information
	management and
	technology
IPC	infection prevention
	and control
IPCU	intensive psychiatric
	care unit
ISTC	independent sector
	treatment centres
ITU	intensive therapy unit
IUC	integrated urgent care
	M
MASH	multi-agency
	safeguarding hub
MAU	medical assessment/
	admission unit
MDU	medical decisions unit
MEC	medical education
	centre
MES	medical elective

	specialties/suite
MET	medical education
	team
MIU	minor injuries unit
MLU	midwife-led unit
MSK	musculoskeletal
MTC	major trauma centre
	N
NCCU	neurosciences critical
	care unit
NICU	neonatal intensive care
	unit
NNU	neonatal unit
NRU	neurorehabilitation
	unit
	0
O&G	obstetrics and
	gynaecology
OD	operating department
ODIL	organisational
	development and
	improvement learning
OMFS	oral and maxillofacial
	surgery
OPD	outpatient department
	P
PACU	post-anaesthesia care
PACU	post-anaesthesia care unit
PACU PALS	•
	unit
	unit patient advice and
PALS	unit patient advice and liaison service
PALS	unit patient advice and liaison service post-anaesthesia
PALS PAR	unit patient advice and liaison service post-anaesthesia recovery
PALS PAR	unit patient advice and liaison service post-anaesthesia recovery paediatric assessment
PALS PAR PAU	unit patient advice and liaison service post-anaesthesia recovery paediatric assessment unit
PALS PAR PAU PDU	unit patient advice and liaison service post-anaesthesia recovery paediatric assessment unit paediatric day unit
PALS PAR PAU PDU	unit patient advice and liaison service post-anaesthesia recovery paediatric assessment unit paediatric day unit postgraduate medical
PALS PAR PAU PDU PGMC	unit patient advice and liaison service post-anaesthesia recovery paediatric assessment unit paediatric day unit postgraduate medical centre
PALS PAR PAU PDU PGMC	unit patient advice and liaison service post-anaesthesia recovery paediatric assessment unit paediatric day unit postgraduate medical centre pre-hospital emergency
PALS PAR PAU PDU PGMC PHEM	unit patient advice and liaison service post-anaesthesia recovery paediatric assessment unit paediatric day unit postgraduate medical centre pre-hospital emergency medicine
PALS PAR PAU PDU PGMC PHEM	unit patient advice and liaison service post-anaesthesia recovery paediatric assessment unit paediatric day unit postgraduate medical centre pre-hospital emergency medicine psychiatric OR
PALS PAR PAU PDU PGMC PHEM	unit patient advice and liaison service post-anaesthesia recovery paediatric assessment unit paediatric day unit postgraduate medical centre pre-hospital emergency medicine psychiatric OR paediatric intensive
PALS PAR PAU PDU PGMC PHEM PICU	unit patient advice and liaison service post-anaesthesia recovery paediatric assessment unit paediatric day unit postgraduate medical centre pre-hospital emergency medicine psychiatric OR paediatric intensive care unit
PALS PAR PAU PDU PGMC PHEM PICU	unit patient advice and liaison service post-anaesthesia recovery paediatric assessment unit paediatric day unit postgraduate medical centre pre-hospital emergency medicine psychiatric OR paediatric intensive care unit Perinatal/parent and
PALS PAR PAU PDU PGMC PHEM PICU	unit patient advice and liaison service post-anaesthesia recovery paediatric assessment unit paediatric day unit postgraduate medical centre pre-hospital emergency medicine psychiatric OR paediatric intensive care unit Perinatal/parent and infant mental health
PALS PAR PAU PDU PGMC PHEM PICU PIMHS	unit patient advice and liaison service post-anaesthesia recovery paediatric assessment unit paediatric day unit postgraduate medical centre pre-hospital emergency medicine psychiatric OR paediatric intensive care unit Perinatal/parent and infant mental health service
PALS PAR PAU PDU PGMC PHEM PICU PIMHS	unit patient advice and liaison service post-anaesthesia recovery paediatric assessment unit paediatric day unit postgraduate medical centre pre-hospital emergency medicine psychiatric OR paediatric intensive care unit Perinatal/parent and infant mental health service pigmented lesion clinic
PALS PAR PAU PDU PGMC PHEM PICU PIMHS	unit patient advice and liaison service post-anaesthesia recovery paediatric assessment unit paediatric day unit postgraduate medical centre pre-hospital emergency medicine psychiatric OR paediatric intensive care unit Perinatal/parent and infant mental health service pigmented lesion clinic postnatal clinic

PPU	private patient unit
PSD	patient services
	department
PTS	patient transport
	service
R	

R&D	research and
	development
RAFA	rapid access frailty
	assessment
S	
SAMU	stand-alone midwifery
	unit

S(A)LT	speech (and) language
	therapy
SAU	surgical assessment or
	admission unit

SCBU	special care baby unit
SDEC	same day emergency care
SDU	sterilisation disinfection
	unit

SEAU	surgical emergency
	assessment unit

SSPAU	short stay paediatric	
	assessment unit	
SSSU	short stay surgical unit	
	T	
T&D	training and development	
T&O	trauma and orthopaedics	
	U	
UCC	urgent care centre	
UEC(C)	urgent and emergency	
	care centre	
UTC	urgent treatment centre	
V		
VIU	vascular imaging unit	
W		
WIC	walk-in centre	
Υ		

YPU	young people's unit
-----	---------------------

PHARMACY/PRESCRIBING ABBREVIATIONS

ABBREV	LATIN	ENGLISH
	MEANING	MEANING
μmole		micromole
	Α	
aa	ana	equal amount
AAA		apply to
		affected area
ac	ante cibum	before food
ad lib	ad libitum	as much as
1. 1.	1. 1.	desired; freely
alt die	alt die	alternate days
alt noct.	alt nocte	alternate
		nights
am	ante	morning
	meridiem	
amp.		ampule
amt		amount
aq	aqua	water
ATC		around the
		clock
	В	
bd/bid	bis die	twice daily
bib	bibe	drink
bucc.	bucca	inside cheek
	С	
C.	cum	with
cc/cm ³		cubic
		centimetre
cap.		capsule
cm		cream
	D	
DAW		dispense as
		written
d.c. or d/c		discontinue
dil.		dilute
disp.		dispense
dL		decilitre
DR		delayed
		release
	E	
EC		enteric-coated
EOD		every other
200		day
ex.aq.	ex aquain	water
ca.aq.	CA aquairi	water

ER/XR		extended
LIVAN		release
et	et	and
Ct	F	dila
f/c	•	film-coated
f., ft.	fiat	make, let it be
1., 10.	nac	made
fl.		fluid
FXD	X = roman	for 10 days
	numeral for	
	10	
	G	
g, gm		gram
gal		gallon
gr.		grain
gtt	gutta	drops
J	Н	·
h, hr, hor		hour
hn	hac nocte	tonight
h.s.	hora somni	at bedtime
	ı	
ia		intra-articular
id		intradermal
im		intramuscular
in		intranasal
inf		infusion
inh		by inhalation
inj		injection
IR		immediate
		release
it		intrathecal
		(spinal cord)
IU or U		international
		unit
iv		intravenous
	L	
L		litre
lb	libra	pound
liq.		liquid
lot.		lotion
	M	
m		metre
mcg		microgram
mdu	more dicta utendus	as directed
mg		milligram
		35

ml/s)		millilitro/s\
ml(s)		millilitre(s)
mmol		millimole
m/r		modified
, .		release
mu/min		milliunits per
		minute
	N	·
neb.		nebuliser
nocte	nocte	at night
NP	nomen	proper name
	proprium	
	0	
occ. or oc.		for the eyes
od	omni die	once daily
ODT		oral
		disintegrating
		tablet
oint.		ointment
om	omni mane	every morning
on	omni nocte	every night
OZ		ounce
	Р	
ра	parti affectae	to the affected
		part
рс	post cibum	after food
PCA		patient-
		controlled
		analgesia
pessary		for the vagina
pm	post	evening; after
	meridiem	noon
ро	per os	orally
рос	'	for the eyes
pr	per rectum	via the rectum
prn	pro re nata	when required
pt	p. 5 . 5	pint
pv	per vaginam	via the vagina
PV	n bei tabilialii	via tric vagiria
q(number)	quaque	every; per
q(namber)	чичис	every 4 hours
qad/qod	quaque	every other
9447,404	alternis die	day
qam	quaque anti	every morning
Yam	meridiem	cvery morning
qds/qid		four times
qus/qiu	quarter die sumendum	
ahc		daily
qhs	quaque hora	every day at
	somni	bedtime

qpm	quaque post meridiem	every evening; every day after noon
qqh	quarter	every 4 hours
	quaque hora	
qs	quantum	a sufficient
	sufficiat	quantity
qt		quart
qty.		quantity
qw.		every week
	R	
R/Λ	recipe	take
rep.	repititur	let it be
		repeated
	S	
S.	sine	without
s/c		sugar-coated
sc, sq, subq		subcutaneous
sig.	signa	write; label
sl		sublingually
		(under the
		tongue)
sol.		solution
sos	si opus sit	if necessary
		(one dose
		only)
stat.	statim	at once
supp(os).		suppository
susp.		suspension
syr.	_	syrup
	T	T
tab.		tablet
TAD		take as
		directed
tbsp		tablespoon
tds/tid	ter die	three times
111	sumendum	daily
tinct.	tincture	tincture
top.		topical
troch.	trochisci	lozenge
tsp		teaspoon
ر - المراجع ا	U	ا د د د داد
ud/ut/dict	ut dictum	as directed
ung.	unguentum	ointment
	Vanoro	Vanatira
vap.	vapore	vapour
	W	;
W.		with

w/f	with food;
	with meals

MEDICAL SPECIALTIES AND TITLES

Doctors are able to apply to specialty training upon finishing the Foundation Programme. The specialty they choose determines which particular areas of medical expertise they will pursue during their careers. The length of training varies between specialties, from 3 to 8 years. Once they have completed specialist training, doctors are then able to become consultants.

MEDICAL SPECIALTY	TITLE	WHAT DOES IT INVOLVE?
Acute internal	AIM physician	Caring for patients with conditions that
medicine (AIM)		have developed quickly and may be life-
		threatening
Allergy	Allergist	Diagnosing and treating allergic disorders
Anaesthetics	Anaesthetist	Administration of anaesthetics
Audiovestibular	Audiovestibular physician	Looking after patients with hearing,
medicine (AVM)		balance and communication disorders
Cardiology	Cardiologist	Diagnosing and treating conditions of the
		heart and blood vessels
Cardiothoracic surgery	Cardiothoracic surgeon	Operating on the heart, lungs, and other
		thoracic organs
Chemical pathology	Chemical pathologist	Using biochemical lab tests to diagnose
		disease and manage patients
Clinical genetics	Clinical geneticist	Diagnosing and managing families with
		genetic disorders
Clinical	Clinical neurophysiologist	Investigating and diagnosing nervous
neurophysiology		system disorders
Clinical oncology	Clinical oncologist	The radiological treatment of cancer
Clinical pharmacology	Clinical pharmacologist	The science of medicines and their clinical
and therapeutics (CPT)		use
Dermatology	Dermatologist	Diagnosing and treating skin conditions
Emergency medicine	Emergency physician	Immediate assessment and treatment of
(EM)		patients with serious and life-threatening
		illness and injuries
Endocrinology (and	Endocrinologist	Concerning the endocrine system (glands
diabetes)		which produce hormones)
Gastroenterology	Gastroenterologist	Diagnosing and treating digestive system
		diseases
General internal	GIM physician	Managing patients with a wide range of
medicine (GIM)		acute and long-term medical conditions
		and symptoms
General practice	General practitioner (GP)	Treat common medical conditions and
		refer patients to secondary (hospital) care
General surgery	General surgeon	Operating on a wide range of body parts;
		subspecialties include transplant surgery
		and upper and lower GI surgery

Genitourinary	Genitourinary physician	Managing the urinary system and male
medicine (GUM)		reproductive system
Geriatrics (also	Geriatrician	Diagnosing and treating disorders in
Medicine for the		elderly people
Elderly, Care of the		
Elderly, Complex		
Medicine)		
Gynaecology	Gynaecologist	Managing diseases specific to women
Haematology	Haematologist	Diagnosing and managing blood and bone marrow disorders
Histopathology	Histopathologist	Diagnosing and studying disease through
		interpreting cell and tissue samples
Immunology	Immunologist	Studying and treating the immune system
Infectious diseases	Infectious diseases	Diagnosing and treating infections
	physician	
Intensive care	Intensivist, intensive care	Treating patients with, at risk of, or
medicine (ICM) or	physician	recovering from organ failure
critical care medicine		
(CCM)		
Interventional	Interventional radiologist	Performing minimally-invasive
radiology		procedures using medical imaging
		guidance
Medical oncology	Medical oncologist	The non-radiological treatment of cancer
Medical microbiology	Medical microbiologist and	Diagnosis, treatment, and prevention of
and virology (MMV)	virologist	infection
Nephrology (renal	Nephrologist	Diagnosing and treating disorders of the
medicine)		kidneys
Neurology	Neurologist	Diagnosing and treating nervous system disorders
Neurosurgery	Neurosurgeon	Operating on the nervous system
Nuclear medicine	Nuclear medicine physician	Using radioactive substances to examine
		the physiological processes of disease
Obstetrics	Obstetrician	Caring for pregnant people and their
		unborn children (especially those at high
		risk)
Occupational medicine	Occupational medicine or	Diagnosis, management and prevention of
or occupational health	health physician	disease caused or exacerbated by
		workplaces
Ophthalmology	Ophthalmologist	The medical and surgical treatment of the
		eyes
Oral and maxillofacial	OMFS surgeon	Operating on the mouth, jaws, face, and
surgery (OMFS)		neck
Orthopaedics (and	Orthopaedic surgeon	Operating on the musculoskeletal system
trauma) (T&O)		
Oto(rhino)laryngology	ENT surgeon,	Operating on the head and neck
(ENT)	oto(rhino)laryngologist	(especially the ear, nose, and throat)
Paediatric cardiology	Paediatric cardiologist	Looking after heart conditions before birth and throughout childhood
Paediatrics	Paediatrician	Caring for children
raeulaulus	ratulatificidii	Carring for Chillufell

Palliative medicine	Palliative medicine	Caring for patients with incurable
	physician	conditions
Physician	Physician	Caring for medical (as opposed to surgical)
		conditions
Plastic surgery	Plastic surgeon	Performing aesthetic surgery and
		reconstructive surgery after illness or
		trauma
Psychiatry	Psychiatrist	Diagnosing and treating mental illness –
		specialist include children and
		adolescents, forensic, intellectual
		disability and old age
Public health	Public health doctor	Finding ways of making communities
		healthier
Radiology	Radiologist	Using images to diagnose and treat
		disease
Rehabilitation	Rehabilitation medicine	Assessing and treating individuals with
medicine or physiatry	physician/physiatrist	complex disabling conditions
Respiratory medicine	Respiratory physician	Diagnosing and treating conditions
		affecting the nose, throat (pharynx),
		larynx, trachea, lungs, and diaphragm
Rheumatology	Rheumatologist	Diagnosing and treating conditions of the
		joints, bones, muscles, and soft tissues
Sport and exercise	Sport and exercise physician	Treating sport and physical activity related
medicine (SEM)		injuries and common conditions
Stroke medicine	Stroke medicine physician	Caring for and rehabilitation of stroke
		patients
Surgery	Surgeon	Caring for surgical (as opposed to medical)
		conditions
Tropical medicine	Tropical medicine physician	Diagnosing and managing tropical
		infections (e.g. malaria, Ebola)
Urology	Urologist or urological	Treating problems of the female urinary
	surgeon	system and the male genitourinary tract
Vascular surgery	Vascular surgeon	Treating conditions of the vascular system
		(except heart and brain)

CLINICAL (NON-MEDICAL) ROLES AND TITLES

The following tables are not designed to be comprehensive, but to provide an overview of some of the roles you might encounter in a hospital environment.

For the following jobs, it is necessary to have a professional qualification in the subject (typically a diploma or a degree) and/or be registered with a relevant professional body. The 15 jobs highlighted in green make up the 15 allied health professional roles.

NON-MEDICAL PROFESSIONAL ROLE	TITLE	WHAT DOES THIS ROLE INVOLVE?
Advanced clinical	Advanced clinical practitioner	Advanced practice in a variety of
practice	(ACP)	departments
Advanced critical care	Advanced critical care	Advanced practice in critical care
practice	practitioner	environments
Anaesthesia associate	Anaesthesia associate	Providing high-level support to
practice		consultant anaesthetists
Anatomical pathology	Anatomical pathology	Helping pathologists to carry out post-
	technician (APT)	mortems
Art therapy	Art therapist	Using art as psychotherapy
Audiology	Audiologist	Measurement of hearing
Biomedical science	Biomedical scientist	Performing laboratory and scientific tests
		to support the diagnosis and treatment
		of disease
Cardiac physiology	Cardiac physiologist	Diagnosis, monitoring and treatment of
		heart problems
Clinical psychology	Clinical psychologist	Working with people on a wide range of
		psychological difficulties
Dental hygiene	Dental hygienist	Promoting tooth health through
· · ·	5	education and cleaning treatments
Dental nursing	Dental nurse	Supporting dentists in all aspects of
Dontal to should see	Dontol	dental care
Dental technology	Dental	Making dentures, crowns, bridges and dental braces
Dontal thorany	technician/technologist	
Dental therapy	Dental therapist	Supporting dentists by carrying out routine treatments (e.g. fillings)
Dentistry	Dentist	Caring for the teeth, mouth, and jaw –
Dentistry	Dentist	specialties include orthodontics (braces),
		periodontics (gums), and endodontics
		(inside of the teeth)
Dietetics	Dietitian	The treatment of diet and nutritional
Dieteties	Dietitian	problems
Drama therapy	Drama therapist	Using drama as psychotherapy
Emergency medical	Emergency medical	Pre-hospital care of patients at accidents
technician practice	technician (EMT)/associate	or in medical emergencies
, i	ambulance practitioner	
Extended scope	Extended scope practitioner	A physiotherapist who has undergone
practice		extra specialist training

First contact practitioner/physiotherapist Clinical scientist in genomics Clinical scientist in genomics Clinical scientist in genomics Studying genetics to support and confirm diagnoses or provide screening Working with families with a child aged O to five to identify health nurse (SCPHN) as possible Assessing hearing and providing aftercare for hearing aids. Studying trissue samples using a microscope Microbiology Microbiologist Studying bacteria, viruses, fungi and parasites that cause disease Misiot therapy Music therapist The use of music as psychotherapy Neurophysiology Neurophysiologist Diagnosing and treatment nervous system disorders Nursing Assessing, observing, and caring for patients - subspecialities include adult, children, learning disability, and mental health Nursing associate Nursing department practice Optometry Optometrist The measurement of refraction (ability to doe veryday tasks (e.g. after a stroke) Orthodontistry Orthodontist Correction of teeth (dentition) Paramedic Paramedic Paramedic Paramedic Paramedic Paramedic Physician associate Prosthetis The treatment of patients with limb loss	_		1	
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Podiatry Podiatrist The care of feet	Physiotherapy		Treatment by physical exercises	
Prosthetics Prosthetist The treatment of patients with limb loss	•			
	Prosthetics	Prosthetist	The treatment of patients with limb loss	

Psychology	Psychologist	Assessing and treating how people think and behave	
Pyschotherapy	Psychotherapist	Providing psychotherapy	
Radiography (diagnostic or therapeutic)	(Diagnostic or therapeutic) Radiographer	Imaging of the body and delivery of treatment	
Radiotherapy	Radiotherapist	Another name for a therapeutic radiographer	
Respiratory physiology	Respiratory physiology	The diagnosis and treatment of lung disease	
Sleep science	Sleep scientist	The diagnosis and treatment of sleep disorders	
Speech and language	Speech and language	The treatment of communication	
therapy	therapist (SALT or SLT)	difficulties and problems with eating, drinking, and swallowing	
Social work	Social worker	Helping people to find solutions to their problems	
Surgical care practice	Surgical care practitioner	Supporting surgeons and other	
	(SCP)	healthcare professionals before, during	
		and after surgical procedures	
Vascular science	Vascular scientist	Imaging and assessment of patients with	
		diseases of the arteries and veins	
Virology	Virologist	Studying viral diseases	

For the following jobs, it is not necessary to have a professional qualification in the subject and/or be registered with a relevant professional body. There may however be a training programme you can follow, such as an apprenticeship or a vocational qualification.

NON-MEDICAL, NON-	TITLE	WHAT DOES THIS ROLE INVOLVE?
PROFESSIONAL ROLE		
Assistant practice	Assistant practitioner	Providing high-level support to
		qualified healthcare professionals
Dental support	Dental support worker	Supporting qualified dentists and
		dental nurses in caring for patients
Dietetic assistance	Dietetic assistant	Assisting registered dietitians
Healthcare support	Healthcare assistant (HCA)/	Supporting qualified health
	healthcare support worker (HCSW)	professionals with basic tasks
Imaging support	Imaging support worker (ISW)	Supporting qualified radiographers
Laboratory support	Medical laboratory assistant (MLA)	Assisting healthcare scientists
Maternity support	Maternity support worker (MSW)	Assisting midwives caring for
		pregnant people and babies
Orthopaedic practice	Orthopaedic practitioner/plaster	Fitting casts and splints after injury
	technician/casting technician	or surgery
Pharmacy support	Pharmacy assistant/technician	Helping pharmacists to order,
		prepare and dispense medications
Phlebotomy	Phlebotomist	Collecting blood samples from
		patients
Theatre support	Theatre support worker (TSW)	Supporting the surgical team

Therapy assistance	Therapy assistant	Assisting qualified OTs, PTs, and	
		SALTs	

MISCELLANEOUS

COLOURS				
COLOUR	MEANING			
alb-	white			
chlor-	green			
chromo-/chromato-	colour			
cirrh-	brown			
cyano-	blue			
eosin-	rosy red			
ery-/erythro-	red			
flav-	yellow			
leuco-/leuko-	white			
melano-	black, dark,			
	pigment			
polio-	grey			
rub(o)r-	redness			
xantho- yellow				

SINGULAR VS PLURAL			
SINGULAR PLURAL			
-a	-ae		
-ax	-aces		
-is	-es		
-ix	-ices		
-oma	-omata		
-on	-a		
-um	-a		
-us	-i		

BRITISH VS AMERICAN SPELLINGS			
ENGLISH AMERICAN			
ae	е		
(e.g. anaemia)	(e.g. anemia)		
ence	ense		
(e.g. licence)	(e.g. license)		
oe	е		
(e.g. diarrhoea)	(e.g. diarrhea)		
ogue	og		
(e.g. analogue)	(e.g. analog)		
ou	0		
(e.g. tumour)	(e.g. tumor)		
S	Z		

	1			
(e.g. computerised)	(e.g. computerized)			
NUMBERS				
NUMBER	MEANING			
bi-	two			
bin-	double/two			
centi-	a hundredth			
deca-	ten			
deci-	tenth			
demi-	half			
di-	two			
diplo-	double			
hect-	one hundred			
hemi-	half			
hex-	six			
kilo-	one thousand			
mega-	million			
micro-	small/one millionth			
milli-	thousandth			
mono-	one/single			
multi-	many			
nulli-	none			
oct-	eight			
pent-	five			
pluri-	many			
poly-	many			
proto-	first			
quadr-	four			
quinqu-	five			
semi-	half			
sex-	six			
ter-	three			
tetr-	four			
tri-	three			
un-	one			

Both Greek and Latin prefixes are used in the metric system.

Greek prefixes (deca (10), hect (100), kilo (1000) and mega (million)) denote multiplied by (e.g. kilometre = 1000 metres)

Latin prefixes (deci (10), centi (100), milli (1000) and micro (million)) denote divided by (e.g. millimetre = one thousandth of a metre)

QUIZZES

Exercise 1: Matching terms and definitions

Place the number of the word listed in column A against the correct meaning in column B.

	A		В	
1	Erythrocyte		Painful or abnormal menstruation	
2	Dactylomegaly		Disease of the heart muscle	
3	Dysmenorrhoea		Night-time urination	
4	Medial		Enlargement of a finger or toe	
5	Cardiomyopathy		Underactive thyroid gland	
6	Nocturia		Inflammation of blood vessels	
7	Vasculitis		Difficulty breathing	
8	Hypothyroidism		Red blood cell	
9	Dyspnoea	Low platelet count		
10	Thrombocytopenia	The middle or toward the middle		

Exercise 2: Matching abbreviations/acronyms and full phrases

Place the number of the abbreviation/acronym listed in column A against the correct meaning in column B.

	Α	В
1	Rx	Intensive care unit
2	T&O	Four times daily
3	рс	Operating department practitioner
4	HCA	Hypertension
5	stat	Trauma and orthopaedics
6	ICU	Urinary tract infection
7	qds	After food
8	HTN	At once, immediately
9	UTI	Healthcare assistant
10	ODP	Prescription

Exercise 3: Missing meanings

Fill in the missing meaning in the breakdown of the word.

STEATOHEPATITIS					
STEATOHEPATITIS					
liver inflammation					
'inflammation due to in the liver'					

HYPERKALAEMIA						
HYPERKALAEMIA						
high blood condition of						
'condition of high levels of in the blood'						

REFERENCES AND OTHER USEFUL SOURCES

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ACKNOWLEDGEMENTS

Many thanks to Beverley Walsh from the library at West Suffolk NHS Foundation Trust for providing the inspiration behind the course and course materials.