

**WSKAZÓWKI DO ĆWICZEŃ
DLA STUDENTÓW WYDZIAŁU LEKARSKIEGO
Zakład Anatomii Prawidłowej i Klinicznej CB AM w Warszawie**

B.Ciszek

Wymienione poniżej miana anatomiczne wskazują struktury anatomiczne, które należy umieć rozpoznać i omówić. Obowiązujące są miana łacińskie i angielskie.

OSTEOLOGIA & ARTHROLOGIA III

**SKELETON APPENDICULARE
OSSA MEMBRI INFERIORIS**

**APPENDICULAR SKELETON
SKELETON OF THE LOWER LIMB**

CINGULUM MEMBRI INFERIORIS

PELVIC GIRDLE

<u>OS COXAE</u>	<u>INNOMINATE(HIP) BONE</u>
Acetabulum	Acetabulum
Limbus acetabuli	(acetabular border)
Fossa acetabuli	Acetabular fossa
Incisura acetabuli	Acetabular notch
Facies lunata	Lunate surface
Foramen obturatum	Obturator foramen
OS ILIUM	ILIUM
Corpus ossis ilii	Body of the ilium
Sulcus supraacetabularis	Supraacetabular groove
Ala ossis ilii	Ala of the ilium
Linea arcuata	Arcuate line
Crista iliaca	Iliac crest
Labium externum	External lip
Tuberculum iliacum	Tubercle of the crest
Linea intermedia	Intermediate zone
Labium internum	Internal lip
Spina iliaca ant.sup.	Anterior superior iliac spine
Spina iliaca ant.inf.	Anterior inferior iliac spine.
Spina iliaca post.sup.	Posterior superior iliac spine
Spina iliaca post.inf.	Posterior inferior iliac spine
Fossa iliaca	Iliac fossa
Facies glutea	Gluteal surface
Linea glutea anterior	Anterior gluteal line
Linea glutea posterior	Posterior gluteal line
Linea glutea inferior	Inferior gluteal line

Facies sacropelvica	Sacropelvic surface
Facies auricularis	Auricular surface
Tuberositas iliaca	Iliac tuberosity

OS ISCHIUM

Corpus ossis ischii	Body of the ischium
Ramus ossis ischii	Ischial ramus

Tuber ischiadicum

Spina ischiadica	Ischial spine
Incisura ischiadica maior	Greater sciatic notch
Incisura ischiadica minor	Lesser sciatic notch

ISCHIUM

Body of the ischium
Ischial ramus

Ischial tuberosity

Ischial spine
Greater sciatic notch
Lesser sciatic notch

OS PUBIS

Corpus ossis pubis	Body of the pubis
Tuberculum pubicum	Pubic tubercle
Facies symphysialis	Symphysial surface
Crista pubica	Pubic crest
Ramus sup. ossis pubis	Superior pubic ramus
Eminentia iliopubica	Iliopubic eminence
Pecten ossis pubis	Pectineal line
Crista obturatoria	Obturator crest
Sulcus obturatorius	Obturator groove
Tuberculum obturatorium ant. (Tbc.obturatorium post.)	Ant.obturator tubercle (Post.obturator tubercle)
Ramus inferior ossis pubis	Inferior pubic ramus

PUBIS

Body of the pubis
Pubic tubercle
Symphysial surface
Pubic crest
Superior pubic ramus
Iliopubic eminence
Pectineal line
Obturator crest
Obturator groove
Ant.obturator tubercle
Post.obturator tubercle
Inferior pubic ramus

PELVIS

Cavitas pelvis	Cavity of the pelvis
Arcus pubis	Pubic arch
Angulus subpubicus	Subpubic arch
Pelvis maior	Greater pelvis
Pelvis minor	Lesser pelvis
Linea terminalis	Terminal line
Apertura pelvis superior	Superior pelvic aperture(inlet)
Apertura pelvis inferior	Inferior pelvic aperture(outlet)
Axis pelvis	Median curved axis
Diameter conjugata	Conjugate diameter
Diameter transversa	Transverse diameter
Diameter obliqua	Oblique diameter
Inclinatio pelvis	Inclination of the pelvis.

PELVIS

Cavity of the pelvis
Pubic arch
Subpubic arch
Greater pelvis
Lesser pelvis
Terminal line
Superior pelvic aperture(inlet)
Inferior pelvic aperture(outlet)
Median curved axis
Conjugate diameter
Transverse diameter
Oblique diameter
Inclination of the pelvis.

PARS LIBERA MEMBRI INFERIORIS FREE PART OF THE LOWER LIMB

FEMUR	FEMUR - THIGH BONE
Caput ossis femoris	Femoral head
Fovea capitis ossis femoris	Fovea for lig.of head
Collum ossis femoris	Femoral neck
Trochanter maior	Greater trochanter
Fossa trochanterica	Trochanteric fossa
Trochanter minor (Trochanter tertius)	Lesser trochanter (Third trochanter)
Linea intertrochanterica	Intertrochanteric line
Crista intertrochanterica	Intertrochanteric crest
Corpus ossis femoris	Femoral shaft
Linea aspera	Linea aspera
Labium laterale	Lateral lip
Labium mediale	Medial lip
Linea pectinea	Spiral line(Pectinel line)
Tuberositas glutea	Gluteal tuberosity
Facies poplitea	Popliteal surface
Linea supracondylaris medialis	Medial supracondylar line
Linea supracondylaris lateralis	Lateral supracondylar line
Condylus medialis	Medial condyle
Epicondylus medialis	Medial epicondyle
Tuberculum adductorium	Adductor tubercle
Condylus lateralis	Lateral condyle
Epicondylus lateralis	Lateral epicondyle
Facies patellaris	Patellar surface
Fossa intercondylaris	Intercondylar fossa
Linea intercondylaris	Intercondylar line
PATELLA	PATELLA(KNEE-CAP)
Basis patellae	Base of the patella
Apex patellae	Apex of the patella
Facies articularis	Articular surface
Facies anterior	Anterior surface.
TIBIA	TIBIA(SHIN-BONE)
Condylus medialis	Medial condyle
Condylus lateralis	Lateral condyle
Facies articularis fibularis	Fibular facet
Facies articularis superior	Proximal articular surface
Area intercondylaris anterior	Anterior intercondylar area
Area intercondylaris posterior	Posterior intercondylar area
Eminentia intercondylaris	Intercondylar eminence
Tuberculum intercondylare med.	Medial intercondylar tubercle
Tuberculum intercondylare lat.	Lateral intercondylar tubercle
Corpus tibiae	Shaft of the tibia

Tuberositas tibiae	Tibial tuberosity
Facies medialis	Medial surface
Facies posterior	Posterior surface
Linea musculi solei	Soleal line
Facies lateralis	Lateral surface
Margo anterior	Anterior border
Margo medialis	Medial border
Margo interosseus	Interosseous border
Malleolus medialis	Medial malleolus
Sulcus malleolaris	Groove for tibialis post.tendon
Facies articularis malleoli	Art.surf.of the malleolus
Incisura fibularis	Fibular notch
Facies articularis inferior	Inferior articular surface

FIBULA

FIBULA(SPLINTER-BONE)

Caput fibulae	Head
Facies art.capitis fibulae	Facet of the fibular head
Apex capitis fibulae	Apex
Collum fibulae	Neck
Corpus fibulae	Shaft
Facies lateralis	Lateral surface
Facies medialis	Medial surface
Facies posterior	Posterior surface
Crista medialis	Medial crest
Margo anterior	Anterior border
Margo interosseus	Interosseous border
Margo posterior	Posterior border
Malleolus lateralis	Lateral malleolus
Facies articularis malleoli	Articular facet
Fossa malleoli lateralis	Malleolar fossa
Sulcus malleolaris	Groove for peroneal tendons

OSSA TARSII

BONES OF THE TARSUS

TALUS

TALUS(ANKLE BONE)

Caput tali	Talar head
Facies articularis navicularis	Distal surface
Collum tali	Talar neck
Corpus tali	Talar body
Trochlea tali	Talar trochlea
Facies superior	Trochlear surface for tibia
Facies malleolaris medialis	Facet for medial malleolus
Facies malleolaris lateralis	Facet for lateral malleolus
Processus lateralis tali	Lateral process
Facies articularis calcanea post.	Post.calcanean articular srf.
Sulcus tali	Sulcus tali
Facies articularis calcanea med.	Middle calcanean articular srf.

Facies articularis calcanea ant.	Ant.calcanean articular srf.
Processus posterior tali	Posterior process
Sulcus tendinis musculi flexoris halucis longi	Groove for lexor halucis longus
Tuberculum mediale	Medial tubercle
Tuberculum laterale (Os trigonum)	Lateral tubercle (Triangular bone)

CALCANEUS

Tuber calcanei	Calcanean tuberosity
Processus medialis tuberis calcanei	Medial process of the tuberosity
Processus lateralis tuberis calcanei	Lat.proc.of the tuberosity
Tuberculum calcanei	Anterior tubercle
Sustentaculum tali	Sustentaculum tali
Sulcus tendinis musculi flexoris halucis longi	Groove for flexor halucis longus
Sulcus calcanei	Sulcus calcanei
Sinus tarsi	Sinus tarsi
Facies articularis talaris ant.	Ant.articular srf.for talus
Facies articularis talaris media	Middle articular srf.for talus
Facies articularis talaris post.	Post.articular srf.for talus
Sulcus tendinis musculi peronei longi	Groove for the tendon of peroneus longus
Trochlea peronealis	Peronaeal trochlea
Facies articularis cuboidea	Facet for cuboid bone

CALCANEUS

OS NAVICULARE

Tuberositas ossis navicularis	Tuberosity
-------------------------------	------------

NAVICULAR BONE

OS CUNEIFORME MEDIALE MEDIAL CUNEIFORM BONE

OS CUNEIFORME INTERMEDIUM INTERMEDIATE CUNEIFORM BONE

OS CUNEIFORME LATERALE LATERAL CUNEIFORM BONE

OS CUBOIDEUM

Sulcus tendinis musculi peronei longi	Groove for peroneus longus tendon
Tuberositas ossis cuboidei	Cuboid's tuberosity
Processus calcaneus	Calcanean process

CUBOID BONE

OSSA METATARSI

Basis metatarsalis	Base
Corpus metatarsale	Shaft
Caput metatarsale	Head
Tuberositas o.metatarsalis (I)	Tuberosity of the (I) metatarsal
Tuberositas q.metatarsalis (V)	Tuberosity of the (V) metatarsal

METATARSUS(METATARSAL BONES)

OSSA DIGITORUM**Phalanx proximalis****Phalanx media****Phalanx distalis**

Tuberositas phalagis distalis

Basis phalangis

Corpus phalangis

Caput phalangis

Ossa sesamoidea

BONES OF THE FINGERS**Proximal phalanx****Middle phalanx****Distal phalanx**

Tuberosity of the distal phalanx

Base

Shaft

Head

Sesamoid bones

**IUNCTURAE CINGULI MEMBRI
INFERIORIS****JOINTS OF THE PELVIC GIRDLE**

W zakresie połączeń obowiązujące są elementy wytłuszczone

Symphysis pubica

Membrana obturatoria

Canalis obturatorius

Ligamentum sacrotuberale

Processus falciformis

Ligamentum sacrospinale

Foramen ischiadicum maius

Foramen ischiadicum minus

Pubic symphysis

Obturator membrane

Obturator canal

Sacrotuberous ligament

Falciform process

Sacrospinous ligament

Greater sciatic foramen

Lesser sciatic foramen

ARTICULATIO SACROILIACA**SACROILIAC JOINT**

Ligamenta sacroiliaca ventr.

Ligamenta sacroiliaca inter
ossea

Ligamenta sacroiliaca dors.

Ventral sacroiliac ligaments

Interosseous sacroiliac
ligaments

Dorsal sacroiliac ligaments

**IUNCTURAE MEMBRI INFERIORIS
LIBERI****JOINTS OF THE FREE PART OF
THE LOWER LIMB****ARTICULATIO COXAE****COXAL (HIP) JOINT**

Zona orbicularis

Ligamentum iliofemorale

Ligamentum ischiofemorale

Ligamentum pubofemorale

Labrum acetabulare

Lig.transversum acetabuli

Ligamentum capitis femoris

Zona orbicularis

Iliofemoral ligament

Ischiofemoral ligament

Pubofemoral ligament

Acetabular labrum

Transverse acetabular ligament

Lig. of the femoral head

ARTICULATIO GENUS**GENUAL(KNEE)JOINT**

Meniscus lateralis

Lig.meniscofemorale ant.

Lig.meniscofemorale post.

Meniscus medialis

Ligamentum transversum genus

Lateral meniscus

Anterior meniscofemoral lig.

Posterior meniscofemoral lig.

Medial meniscus

Transverse ligament

Ligamenta cruciata genus	Cruciate ligaments
Lig.cruciatum anterius	Anterior cruciate ligament
Lig.cruciatum posterius	Posterior cruciate ligament
Plica synovialis infra patellaris	Infrapatellar synovial fold
Plicae alares	Alar folds
Lig.collaterale fibulare	Fibullar collateral ligament
Lig.collaterale tibiale	Tibial collateral ligament
Lig.popliteum obliquum	Oblique popliteal ligament
Lig.popliteum arcuatum	Arcuate popliteal ligament
Ligamentum patellae	Ligamentum patella
Retinaculum patellae med.	Medial patellar retinaculum
Retinaculum patellae lat	Lateral patellar retinaculum
Corpus adiposum infra patellare	Infrapatellar fat pad (Hoffa body)

ARTICULATIO TIBIOFIBULARIS PROXIMAL AND DISTAL TIBIOFIBULAR JOINTS

Lig.capitis fibulae anterius	Anterior ligament
Lig.capitis fibulae posterius	Posterior ligament
Membrana interossea cruris	Crural interosseous membrane
Syndesmosis tibiofibularis	Distal tibiofibular joint
Lig.tibiofibulare ant.	Anterior tibiofibular ligament
Lig.tibiofibulare post.	Posterior tibiofibular ligament

ARTICULATIO TALOCRURALIS TALOCRURAL (ANKLE) JOINT

Ligamentum mediale (deltoideum)	Medial(deltoid)ligament
Pars tibionavicularis	Tibionavicular part
Pars tibiocalcanea	Tibiocalcanean part
Pars tibiotalaris ant.	Anterior tibiotalar part
Pars tibiotalaris post.	Posterior tibiotala part
Ligamentum talofibulare ant.	Anterior talofibular lig.
Ligamentum talofibulare post.	Posterior talofibular lig.
Ligamentum calcaneofibulare	Calacaneofibular ligament

ARTICULATIONES PEDIS JOINTS OF THE FOOT

ARTICULATIO TARSII TRANSVERSA	TRANSVERSAL TARSAL JOINT
ARTICULATIO TALOCALCANEONAVICULARIS	TALOCALCANEONAVICULAR JOINT
Articulatio subtalaris	Subtalar joint
Lig.talocalcaneare lat.	Lateral talocalcaneal lig.
Lig.talocalcaneare med.	Medial talocalcaneal lig.

ARTICULATIO CALCANEOCUBOIDEA CALCANEOCUBOID JOINT

Ligamenta tarsi interossea	Tarsal interosseous ligaments
Lig.talocalcaneum inteross.	Interosseous talocalcaneal lig.
Lig.calcaneocuboideum interosseum	Interosseous calcaneocuboid lig.
Lig.intercuneiformia interossea	Interosseous intercuneiform lig.
Ligamenta tarsi dorsalia	Dorsal talar ligaments
Lig.talonaviculare	Talonavicular ligament
Lig.intercuneiformia dors.	Dorsal intercuneiform lig.
Lig.cuneocuboideum dors.	Dorsal cuneocuboid lig.
Lig.cuboideonaviculare dors.	Dorsal cuboideonavicular lig.
Lig.bifurcatum	Bifurcated ligament
Lig.calcaneonaviculare	Calcaneonavicular lig.
Lig.calcaneocuboideum	Calcaneocuboid lig.
Lig.cuneonavicularia dors.	Cuneonavicular ligaments
Ligamenta tarsi plantaria	Plantar tarsal ligaments
Ligamentum plantare longum	Long plantar ligament
Lig.calcaneocuboideum plant.	Plantar calcaneocuboid lig.
Lig.calcaneonaviculare plant.	Plantar calcaneonavicular lig.
Lig.cuneonavicularia plant.	Plantar cuneonavicular ligaments
Lig. cuboideonaviculare plant.	Plantar cuboideonavicular lig.
Art. intercuneiformes	Intercuneiform joints
Lig.intercuneiformia plant.	Intercuneiform ligaments
Art.cuneocuboidea	Cuneocuboid joint
Lig.cuneocubideum plantare	Plantar cuneocuboid lig.
ART. TARSOMETATARSALIS	TARSOMETATARSAL JOINTS
Lig.tarsometatarsalia dors.	Dorsal tarsometatarsal lig.
Lig.tarsometatarsalia plant.	Plantar tarsometatarsal lig.
Lig.cuneometatarsalia interos.	Interosseous cuneometatarsal lig.
ARTICULATIONES INTER METATARSALIS	INTERMETATARSAL JOINTS
Lig.metatarsalia interos.	Interosseous metatarsal lig.
Lig.metatarsalia dors.	Dorsal metatarsal lig.
Lig.metatarsalia plant.	Plantar metatarsal lig.
Spatia interossea metatarsi	Metatarsal interosseous spaces
ARTICULATIONES METATARSO PHALANGEALES	METATARSOPHALANGEAL JOINTS
Ligamenta collateralia	Collateral ligaments
Ligamenta plantaria	Plantar ligaments
Lig.metatarsale trsv.prof.	Deep transverse metatarsal lig.
ARTICULATIONES INTER PHALANGEALES	INTERPHALANGEAL JOINTS
Ligamenta collateralia	Collateral ligaments
Ligamenta plantaria	Plantar ligaments

Zagadnienia opisowe

Budowa poszczególnych kości kończyny dolnej.

Ogólna klasyfikacja połączeń kości.

Ogólna budowa stawu (elementy stałe i niestałe)

Typy stawów. Stawy proste i złożone.

Budowa i mechanika stawu biodrowego, kolanowego i skokowo-goleniowego.

W pozostały stawach należy umieć wskazać :kości tworzące staw (panewka i główka), nazwać staw, określić typ stawu i wskazać elementy wyróżnione powyżej.