

PROGRESSION



# Anatomy of the pelvis

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Drawing of pelvis in body



The bony pelvis serves as the link between the vertebral column and the lower limbs, capable of transmitting forces and providing levers for movement.

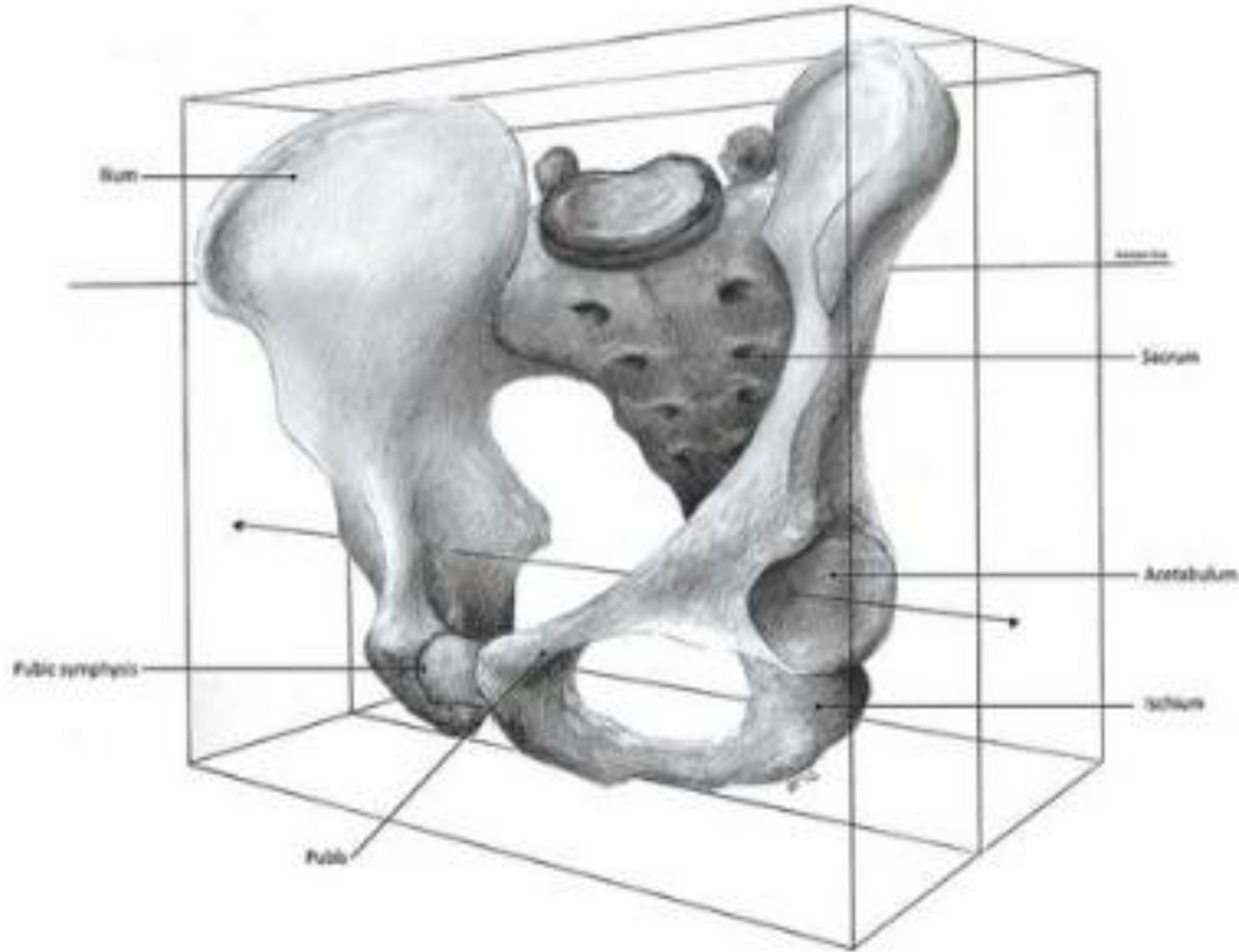
The function of the bony pelvis is to contain, support, and protect organs and viscera, provide attachment for the pelvic floor muscles, dissipate the load imposed by body weight and gravity through the lower limbs, as well as the reaction force imposed by the surface.

## Drawing of anatomy of pelvis, component bones

- It is composed of the hip bones (a fusion of the ilium, ischium, and pubis bones), sacrum, and coccyx.
- It can be bounded anteriorly by the pubic bones, posteriorly by the sacrum, which articulates inferiorly with the coccyx, and laterally by the ilia and ischia.
- Nearly the entire pelvic surface contains points of origin and insertion for soft tissues, ligaments, and muscles that both influence and are influenced by pelvic movements.



# CORPORAL DISPOSITION

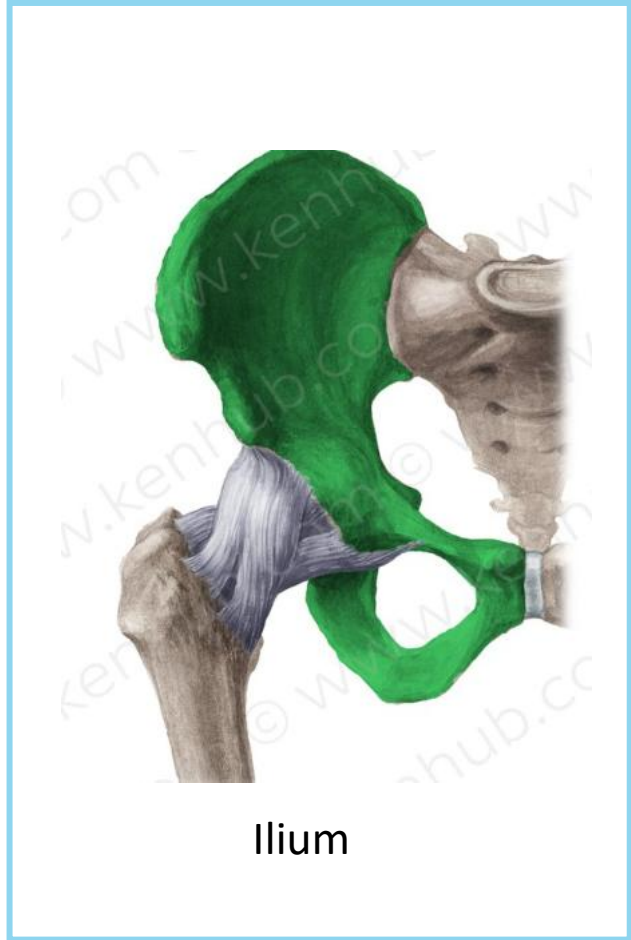


Source: <https://retwedt.tumblr.com/post/33571763002>



# BONES OF THE PELVIS

# PELVIC BONES



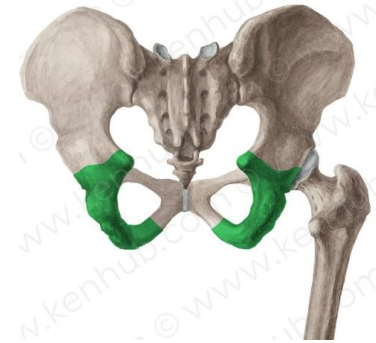
Ilium



Wing of ilium



Iliac crest



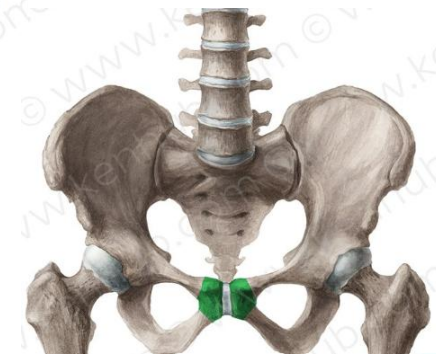
Ischium



Ischial Spine



Pubis bones

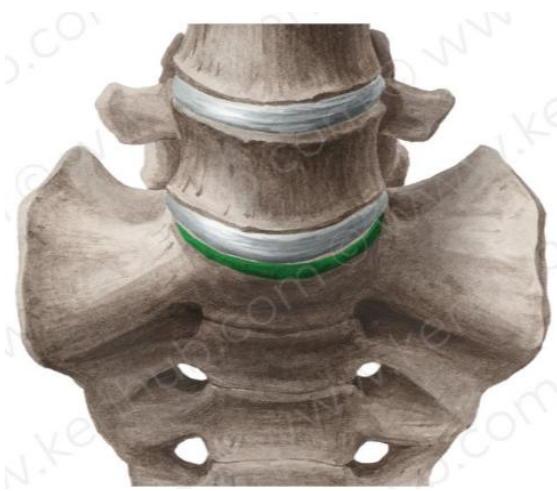
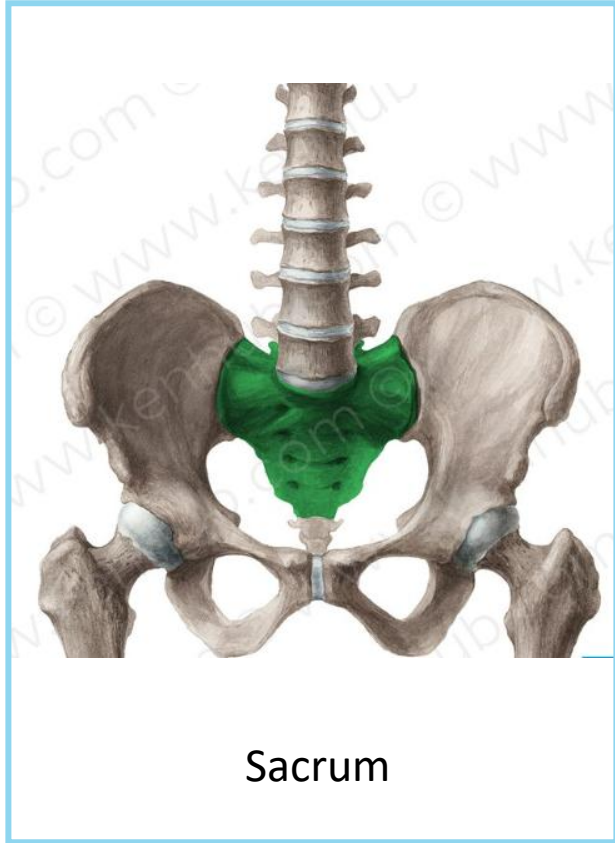


Body of pubis



Source: <https://www.kenhub.com/pt/library/anatomia/pelve>

# PELVIC BONES

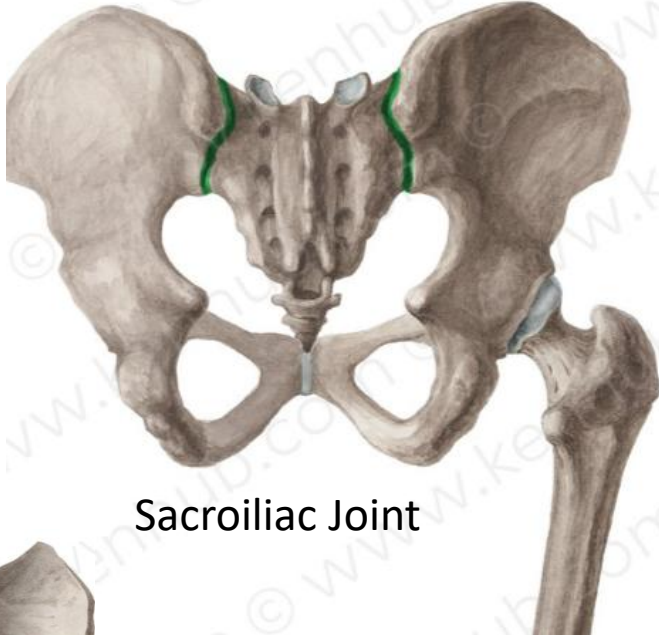


Source: <https://www.kenhub.com/pt/library/anatomia/pelve>

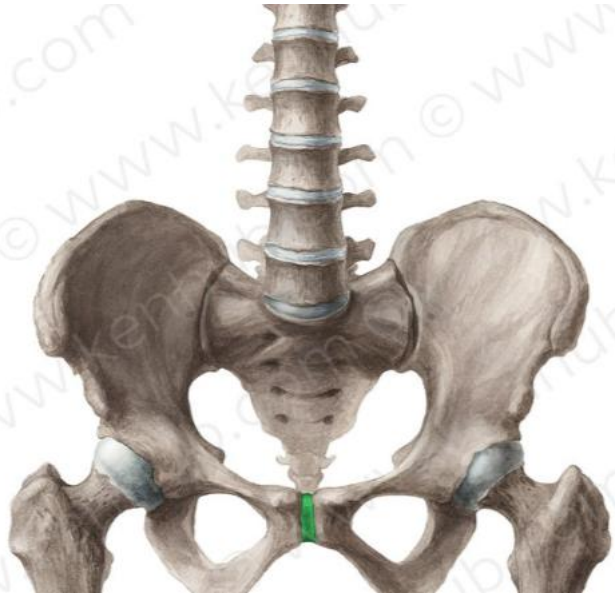
# PELVIC JOINTS



Lumbosacral Joint



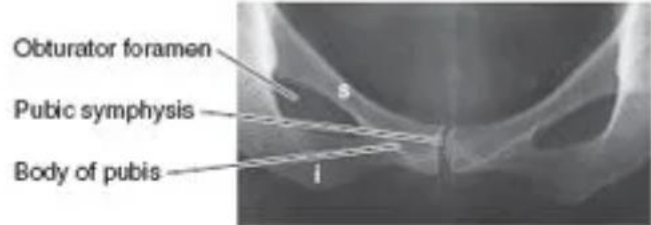
Sacroiliac Joint



Pubic symphysis



Sacroccocygeal Joint



Source: <https://www.kenhub.com/pt/library/anatomia/pelve>

# SHAPES OF THE PELVIS ENTRANCE

Drawings of  
respective forms

<b>Gynecoid</b>	<p>Oval-shaped superior aperture along the transverse axis. Small ischial spines. Broad sacrum with a deep concavity. This is the most common pelvic type in women (50-62%) and is ideal for childbirth.</p>
<b>Android</b>	<p>Superior aperture with a heart shape (prominent sacral promontory). Conical ischial spines. Slightly curved sacrum. Ideal for the attachment of large muscles. Found in 18.5-20% of women.</p>
<b>Anthropoid</b>	<p>Characteristics of both android and gynecoid pelvis types. Oval-shaped superior aperture along the anteroposterior axis. Small ischial spines. Long, narrow sacrum with less curvature than in the gynecoid pelvis. Present in 11-25% of women.</p>
<b>Platypelloid</b>	<p>Superior aperture and ischial spines similar to those found in the gynecoid pelvis. Slightly curved sacrum. Present in 5-8% of women.</p>



# IMPACT OF SHAPE OF THE PELVIS

Pictures/drawings of gynecoid pelvis form from three perspectives

**Gynecoid:** round and more spacious → more easily facilitates the rotation of the fetal head to the occiput anterior (OA) position.

Pictures/drawings of anthropoid pelvis form from three perspectives

**Anthropoid:** larger anteroposterior diameter and narrower shape → more often causes the rotation of the head to the occiput posterior (OP) position.



# IMPACT OF SHAPE OF THE PELVIS

Pictures/drawings of platypelloid pelvis form from three perspectives

**Platypelloid:** wider and narrower shape  
→ more commonly causes the head to remain in the occiput transverse (OT) position.

Pictures/drawings of android pelvis form from three perspectives

**Android:** heart-shaped  
→ the fetal head may have difficulty engaging.



# IMPACT OF SHAPE OF THE PELVIS

	Shape	Inlet	Midpelvis	Outlet
Gynecoid	Drawings depicting respective situation	Drawings depicting respective situation	Drawings depicting respective situation	Drawings depicting respective situation
Android	Drawings depicting respective situation	Drawings depicting respective situation	Drawings depicting respective situation	Drawings depicting respective situation
Anthropoid	Drawings depicting respective situation	Drawings depicting respective situation	Drawings depicting respective situation	Drawings depicting respective situation
Platypelloid	Drawings depicting respective situation	Drawings depicting respective situation	Drawings depicting respective situation	Drawings depicting respective situation



# DIAMETERS OF THE PELVIS

Drawing depicting  
Diameters  
from above



# DIAMETERS OF THE PELVIS

Drawing depicting  
Diameters  
from below



# DIAMETERS OF THE PELVIS

Drawings depicting  
Diameters from different  
perspectives  
(as in *Obstetrícia de Williams, 2020*)





# MUSCLES OF THE PELVIS

# PELVIC FLOOR MUSCLES

Drawings depicting female pelvic muscles, with an emphasis on pelvic floor muscles (as in any anatomy atlas)



# PELVIC FLOOR MUSCLES

Coccygeous and levator ani

Drawings depicting  
Coccygeous and levator ani  
from behind



# PELVIC FLOOR MUSCLES

Coccygeous

Drawings depicting  
Coccygeous muscle  
from behind and from above, in  
context of ligaments



# PELVIC FLOOR MUSCLES

Levator ani muscles group

Drawings depicting  
Levator ani muscle group  
from behind and from above, in  
context of ligaments and  
neighbouring structures



# PELVIC FLOOR MUSCLES

Iliococcygeus

Drawings depicting  
Iliococcygeous muscle  
from behind and from above, in  
context of ligaments



# PELVIC FLOOR MUSCLES

Pubococcygeus

Drawings depicting  
Pubococcygeous muscle  
from behind, from above and  
from below, in context of ligaments



# PELVIC FLOOR MUSCLES

Puborectalis

Drawings depicting  
Puborectalis muscle  
from behind, from above and  
from below, in context of ligaments



# Other sources to study

## BONES

<https://www.youtube.com/watch?v=pskEkYof95w>

[Bones of the Pelvis - Human Anatomy | Kenhub](#)

## ARTICULATIONS

<https://www.youtube.com/watch?v=RhDOCdZf1Fk>

## MUSCLES

<https://www.youtube.com/watch?v=l87G1dUcZng>

<https://www.youtube.com/watch?v=lQzi1gKNgVU>

