[Template:About](/wiki/Template:About" \o "Template:About) [Template:Redirect2](/wiki/Template:Redirect2) [Template:Pp-semi-protected](/wiki/Template:Pp-semi-protected) [Template:Multiple image](/wiki/Template:Multiple_image) A **penis** (plural *penises* or *penes* [Template:IPAc-en](/wiki/Template:IPAc-en)) is the primary [sexual organ](/wiki/Sexual_organ) that [male](/wiki/Male) and [hermaphrodite](/wiki/Hermaphrodite) animals use to [inseminate](/wiki/Inseminate) sexually receptive mates (usually females and hermaphrodites respectively) during [copulation](/wiki/Sexual_intercourse#Other_animals).[[1]](#cite_note-1) Such organs occur in many animals, both [vertebrate](/wiki/#Vertebrates) and [invertebrate](/wiki/Invertebrates), but males do not bear a penis in every animal species, and in those species in which the male does bear a so-called penis, the penes in the various species are not necessarily [homologous](/wiki/Homology_(biology)). For example, the penis of a mammal is at most [analogous](/wiki/Convergent_evolution) to the penis of a male [insect](/wiki/Insect) or [barnacle](/wiki/Barnacle).[Template:Citation needed](/wiki/Template:Citation_needed)

The term *penis* applies to many [intromittent organs](/wiki/Intromittent_organ), but not to all; for example the intromittent organ of most [cephalopoda](/wiki/Cephalopod) is the [hectocotylus](/wiki/Hectocotylus), a specialised arm, and male spiders use their [pedipalps](/wiki/Pedipalp). Even within the [Vertebrata](/wiki/Vertebrata) there are morphological variants with specific terminology, such as [hemipenes](/wiki/Hemipenis).

In most species of animals in which there is an organ that might reasonably be described as a penis, it has no major function other than intromission, or at least conveying the sperm to the female, but in the [placental mammals](/wiki/Eutheria) the penis bears the [distal](/wiki/Distal) part of the [urethra](/wiki/Urethra), which discharges both [urine](/wiki/Urine) during [urination](/wiki/Urination) and [semen](/wiki/Semen) during copulation.[[2]](#cite_note-2)

## Contents

* 1 In different animals[[edit](/index.php?title=(none)&action=edit&section=1)]
  + 1.1 Vertebrates[[edit](/index.php?title=(none)&action=edit&section=2)]
    - 1.1.1 Birds[[edit](/index.php?title=(none)&action=edit&section=3)]
    - 1.1.2 Mammals[[edit](/index.php?title=(none)&action=edit&section=4)]
      * 1.1.2.1 Hoofed mammals[[edit](/index.php?title=(none)&action=edit&section=5)]
        + 1.1.2.1.1 Deer[[edit](/index.php?title=(none)&action=edit&section=6)]
      * 1.1.2.2 Carnivorans[[edit](/index.php?title=(none)&action=edit&section=7)]
      * 1.1.2.3 Cetaceans[[edit](/index.php?title=(none)&action=edit&section=8)]
      * 1.1.2.4 Bats[[edit](/index.php?title=(none)&action=edit&section=9)]
      * 1.1.2.5 Rodents[[edit](/index.php?title=(none)&action=edit&section=10)]
      * 1.1.2.6 Primates[[edit](/index.php?title=(none)&action=edit&section=11)]
        + 1.1.2.6.1 Humans[[edit](/index.php?title=(none)&action=edit&section=12)]
      * 1.1.2.7 Other mammals[[edit](/index.php?title=(none)&action=edit&section=13)]
    - 1.1.3 Other vertebrates[[edit](/index.php?title=(none)&action=edit&section=14)]
  + 1.2 Invertebrates[[edit](/index.php?title=(none)&action=edit&section=15)]
    - 1.2.1 Arthropods[[edit](/index.php?title=(none)&action=edit&section=16)]
      * 1.2.1.1 Insects[[edit](/index.php?title=(none)&action=edit&section=17)]
    - 1.2.2 Mollusks[[edit](/index.php?title=(none)&action=edit&section=18)]
* 2 Etymology[[edit](/index.php?title=(none)&action=edit&section=19)]
* 3 Human use of animal penises[[edit](/index.php?title=(none)&action=edit&section=20)]
* 4 See also[[edit](/index.php?title=(none)&action=edit&section=21)]
* 5 References[[edit](/index.php?title=(none)&action=edit&section=22)]
  + 5.1 Notes[[edit](/index.php?title=(none)&action=edit&section=23)]
  + 5.2 Bibliography[[edit](/index.php?title=(none)&action=edit&section=24)]
    - 5.2.1 Horses[[edit](/index.php?title=(none)&action=edit&section=25)]
    - 5.2.2 Marsupials[[edit](/index.php?title=(none)&action=edit&section=26)]
    - 5.2.3 Other animals[[edit](/index.php?title=(none)&action=edit&section=27)]
* 6 External links[[edit](/index.php?title=(none)&action=edit&section=28)]

## In different animals[[edit](/index.php?title=(none)&action=edit&section=1)]

[Template:Category see also](/wiki/Template:Category_see_also)

### Vertebrates[[edit](/index.php?title=(none)&action=edit&section=2)]

#### Birds[[edit](/index.php?title=(none)&action=edit&section=3)]

[Template:See also](/wiki/Template:See_also) [Template:Anchor](/wiki/Template:Anchor) [thumb|right|](/wiki/File:Mallard_with_visible_pseudo-penis_(croped).jpg)[Mallard](/wiki/Mallard) [pseudo-penis](/wiki/Pseudo-penis) Most male birds (e.g., [roosters](/wiki/Rooster) and [turkeys](/wiki/Turkey_(bird))) have a [cloaca](/wiki/Cloaca) (also present on the female), but not a penis. Among bird species with a penis are [paleognathes](/wiki/Paleognathes) ([tinamous](/wiki/Tinamou) and [ratites](/wiki/Ratites)),[[3]](#cite_note-3) [Anatidae](/wiki/Anatidae) (ducks, geese and swans),[[4]](#cite_note-4) and a very few other species (including [flamingoes](/wiki/Flamingo)[Template:Citation needed](/wiki/Template:Citation_needed) and chickens[[5]](#cite_note-5)). A bird penis is different in structure from [mammal penises](/wiki/Mammal_penis), being an erectile expansion of the cloacal wall and being erected by [lymph](/wiki/Lymph), not blood.[[5]](#cite_note-5) It is usually partially feathered and in some species features spines and brush-like filaments, and in flaccid state curls up inside the [cloaca](/wiki/Cloaca). The [lake duck](/wiki/Lake_duck) (also called Argentine blue-bill) has the largest penis in relation to body size of all vertebrates; while usually about half the body size (20 cm), a specimen with a penis 42.5 cm long is documented.

While most male birds have no external genitalia, male waterfowl ([Anatidae](/wiki/Anatidae)) have a phallus. Most birds mate with the males balancing on top of the females and touching cloacas in a "cloacal kiss"; this makes [forceful insemination](/wiki/Sexual_coercion) very difficult. The phallus that male waterfowl have evolved everts out of their bodies (in a clockwise coil) and aids in inseminating females without their cooperation.[[6]](#cite_note-6) The male waterfowl evolution of a phallus to forcefully copulate with females has led to counteradaptations in females in the form of vaginal structures called dead end sacs and clockwise coils. These structures make it harder for males to achieve intromission. The clockwise coils are significant because the male phallus everts out of their body in a counter-clockwise spiral; therefore, a clockwise vaginal structure would impede forceful copulation. Studies have shown that the longer a male's phallus is, the more elaborate the vaginal structures were.[[6]](#cite_note-6) The [lake duck](/wiki/Lake_duck) is notable for possessing, in relation to body length, the [longest](/wiki/Largest_body_part) penis of all [vertebrates](/wiki/Vertebrates); the penis, which is typically coiled up in flaccid state, can reach about the same length as the animal himself when fully erect, but is more commonly about half the bird's length.[[7]](#cite_note-7)[[8]](#cite_note-8) It is theorized that the remarkable size of their [spiny penises](/wiki/Penile_spines) with bristled tips may have evolved in response to competitive pressure in these highly promiscuous birds, removing sperm from previous matings in the manner of a [bottle brush](/wiki/Brush).

Male and female [emus](/wiki/Emu) are similar in appearance,<ref name=e23>Eastman, p. 23.</ref> although the male's penis can become visible when it defecates.<ref name=cc366>Coddington and Cockburn, p. 366.</ref>

The male tinamou has a corkscrew shaped penis, similar to those of the ratites and to the [hemipenis](/wiki/Hemipenis) of some reptiles. Females have a small phallic organ in the cloaca which becomes larger during the breeding season.<ref name=Cabot>[Template:Cite encyclopedia](/wiki/Template:Cite_encyclopedia)</ref>

#### Mammals[[edit](/index.php?title=(none)&action=edit&section=4)]

[Template:Commons category](/wiki/Template:Commons_category) As with any other bodily attribute, the length and girth of the penis can be highly variable between mammals of different [species](/wiki/Species).[[9]](#cite_note-9)[[10]](#cite_note-10) In many mammals, the size of a flaccid penis is smaller than its [erect](/wiki/Erection) size. In the realm of absolute size, the smallest vertebrate penis belongs to the [common shrew](/wiki/Common_shrew) (5 mm or 0.2 inches).[Template:Citation needed](/wiki/Template:Citation_needed)

A bone called the [baculum](/wiki/Baculum) or *os penis* is present in most mammals but absent in humans, cattle and [horses](/wiki/Horse_penis).

In mammals the penis is divided into three parts:[[11]](#cite_note-11)

* Roots ([crura](/wiki/Crus_of_penis)): these begin at the [caudal](/wiki/Caudal_(anatomical_term)) border of the [pelvic ischial arch](/wiki/Pubic_arch).
* [Body](/wiki/Body_of_penis): the part of the penis extending from the roots.
* [Glans](/wiki/Glans_penis): the free end of the penis.

The internal structures of the penis consist mainly of cavernous, [erectile tissue](/wiki/Erectile_tissue), which is a collection of [blood sinusoids](/wiki/Sinusoid_(blood_vessel)) separated by sheets of [connective tissue](/wiki/Connective_tissue) (trabeculae). Some mammals have a lot of erectile tissue relative to connective tissue, for example horses. Because of this a [horse's penis](/wiki/Horse's_penis) can enlarge more than a [bull's penis](/wiki/Bull's_penis). The [urethra](/wiki/Urethra) is on the ventral side of the body of the penis. As a general rule, a mammal's penis is proportional to its body size, but this varies greatly between species[Template:Spaced ndasheven](/wiki/Template:Spaced_ndash) between closely related ones. For example, an adult [gorilla's](/wiki/Gorilla) erect penis is about [Template:Convert](/wiki/Template:Convert) in length; an adult [chimpanzee](/wiki/Chimpanzee), significantly smaller (in body size) than a gorilla, has a penis size about double that of the gorilla. In comparison, the [human penis](/wiki/Human_penis) is larger than that of any other [primate](/wiki/Primate), both in proportion to body size and in absolute terms.[[12]](#cite_note-12)

##### Hoofed mammals[[edit](/index.php?title=(none)&action=edit&section=5)]

When mating, the tip of a male [pronghorn's](/wiki/Pronghorn) penis is often the first part to touch the female pronghorn.[[13]](#cite_note-13) The pronghorn's penis is about 5 inches long, and is shaped like an ice pick.[[14]](#cite_note-14) The front of a pronghorn's glans penis is relatively flat, while the back is relatively thick.[[15]](#cite_note-15) The male pronghorn usually [ejaculates](/wiki/Ejaculates) immediately after intromission.[[16]](#cite_note-16)[[17]](#cite_note-17) The penis of a [dromedary](/wiki/Dromedary) camel is covered by a triangular penile sheath opening backwards,[[18]](#cite_note-18) and is about [Template:Convert](/wiki/Template:Convert) long.<ref name=mammal>[Template:Cite journal](/wiki/Template:Cite_journal)</ref>[[19]](#cite_note-19) The camelmen often aid the male to enter his penis into the female's [vulva](/wiki/Vulva), though the male is considered able to do it on his own. Copulation time ranges from 7 to 35 minutes, averaging 11–15 minutes.<ref name=mating>[Template:Cite book](/wiki/Template:Cite_book)</ref>[[20]](#cite_note-20) [Template:Anchor](/wiki/Template:Anchor) [Template:Commons category](/wiki/Template:Commons_category) Bulls [have a fibro-elastic penis](/wiki/Bovine_male_reproductive_system). Given the small amount of erectile tissue, there is little enlargement after erection. The penis is quite rigid when non-erect, and becomes even more rigid during erection. Protrusion is not affected much by erection, but more by relaxation of the [retractor penis muscle](/wiki/Retractor_penis_muscle) and straightening of the [sigmoid flexure](/wiki/Sigmoid_flexure).[[21]](#cite_note-21)[[22]](#cite_note-22)[[23]](#cite_note-23) [Bulls](/wiki/Bull_penis), [rams](/wiki/Ovis) and [boars](/wiki/Boar) have an S-shaped penis with a sigmoid flexure which straightens out during erection.[Template:Citation needed](/wiki/Template:Citation_needed) A boar's penis, which rotates rhythmically during copulation,[[24]](#cite_note-24) is about 18 inches long, and ejaculates about a pint of semen.[[25]](#cite_note-25) Wild boars have a roughly egg-sized sack near the opening of the penis, which collects urine and emits a sharp odour. The purpose of this is not fully understood.<ref name=heptner1988>Heptner, V. G. ; Nasimovich, A. A. ; Bannikov, A. G. ; Hoffman, R. S. (1988) [*Mammals of the Soviet Union*](https://archive.org/stream/mammalsofsovietu11988gept#page/18/mode/2up), Volume I, Washington, D.C. : Smithsonian Institution Libraries and National Science Foundation, pp. 19-82</ref> [Template:Anchor](/wiki/Template:Anchor) [Template:Anchor](/wiki/Template:Anchor) [Stallions have a vascular penis](/wiki/Horse's_penis). When non-erect, it is quite flaccid and contained within the [prepuce](/wiki/Foreskin) (foreskin, or sheath).

[Template:Anchor](/wiki/Template:Anchor) [Tapirs](/wiki/Tapirs) have exceptionally long penises relative to their body size.[[26]](#cite_note-26)[[27]](#cite_note-27)[[28]](#cite_note-28)[[29]](#cite_note-29) The glans of the Malayan tapir resembles a mushroom, and is similar to the glans of the horse.[[30]](#cite_note-30)

###### Deer[[edit](/index.php?title=(none)&action=edit&section=6)]

[Template:Main](/wiki/Template:Main) A stag's penis forms an S-shaped curve when it is not erect, and is retracted into its sheath by the retractor penis muscle.[[31]](#cite_note-31) Some deer species [spray urine on their bodies](/wiki/Self-anointing#Ungulates) by urinating from an erect penis.[[32]](#cite_note-32) One type of scent-marking behavior in elk is known as "thrash-urination,[[33]](#cite_note-33)[[34]](#cite_note-34) which typically involves palpitation of the erect penis.[[34]](#cite_note-34)[[35]](#cite_note-35)[[36]](#cite_note-36) A male elk's urethra points upward so that urine is sprayed almost at a right angle to the penis.[[34]](#cite_note-34) A [sambar](/wiki/Sambar_(deer)) stag will mark himself by [spraying urine](/wiki/Spraying_urine) directly in the face with a highly mobile penis, which is often [erect](/wiki/Erection) during its [rutting](/wiki/Rut_(mammalian_reproduction)) activities.[[37]](#cite_note-37) [Red deer](/wiki/Red_deer) stags often have erect penises during combat.[[38]](#cite_note-38)

##### Carnivorans[[edit](/index.php?title=(none)&action=edit&section=7)]

[Template:Anchor](/wiki/Template:Anchor) [Template:See also](/wiki/Template:See_also) All members of [Carnivora](/wiki/Carnivora#Reproductive_system) (except [hyenas](/wiki/Hyenas)) have a baculum.[[39]](#cite_note-39)[Template:Anchor](/wiki/Template:Anchor) [Canine penises](/wiki/Canine_penis) have a structure at the base called the [bulbus glandis](/wiki/Bulbus_glandis).[[40]](#cite_note-40)[[41]](#cite_note-41) During copulation, the spotted hyena inserts his penis through [the female's pseudo-penis](/wiki/Spotted_hyena_clitoris) instead of directly through the [vagina](/wiki/Vagina), which is blocked by the false scrotum and testes. Once the female retracts her clitoris, the male enters the female by sliding beneath her, an operation facilitated by the penis's upward angle.[[42]](#cite_note-42)[[43]](#cite_note-43) The pseudo-penis closely resembles the male hyena's penis, but can be distinguished from the male's genitalia by its greater thickness and more rounded [glans](/wiki/Glans).[[44]](#cite_note-44) In male spotted hyenas, as well as females, the base of the glans is covered with [penile spines](/wiki/Penile_spines).[[41]](#cite_note-41)[[45]](#cite_note-45)[[46]](#cite_note-46) [Template:Anchor](/wiki/Template:Anchor) [Domestic cats](/wiki/Domestic_cats) have barbed penises, with about 120–150 one millimeter long [backwards-pointing spines](/wiki/Penile_spines).[[47]](#cite_note-47) Upon withdrawal of the penis, the spines rake the walls of the female's vagina, which is a trigger for [ovulation](/wiki/Ovulation). Lions [also have barbed penises](/wiki/Lion_penis).[[48]](#cite_note-48)[[49]](#cite_note-49) Male felids [urinate backwards](/wiki/Urination#Felidae) by curving the tip of the [glans penis](/wiki/Glans_penis) backward.<ref name=autogenerated3>[Template:Cite book](/wiki/Template:Cite_book)</ref>[[50]](#cite_note-50) When [male cheetahs urine-mark their territories](/wiki/Cheetah_penis), they stand one meter away from a tree or rock surface with the tail raised, pointing the penis either horizontally backward or 60° upward.[[51]](#cite_note-51) [Template:Anchor](/wiki/Template:Anchor) The male [fossa](/wiki/Fossa_(animal)) has an unusually long penis and [baculum](/wiki/Baculum) (penis bone), reaching to between his [front legs](/wiki/Front_leg) when erect, with an average thickness of [Template:Convert](/wiki/Template:Convert). The [glans](/wiki/Glans) extends about halfway down the shaft and [is spiny](/wiki/Penile_spines) except at the tip. In comparison, the glans of felids is short and spiny, while that of viverrids is smooth and long.[[52]](#cite_note-52) [Fossa mating](/wiki/Mating_fossas) includes a [copulatory tie](/wiki/Copulatory_tie), which may be enforced by the male's spiny penis. This unusually lengthy mating is due to the physical nature of the male's erect penis, which has backwards-pointing spines along most of its length.[[53]](#cite_note-53) The male fossa has scent glands near the penis, with the [penile glands](/wiki/Penile_glands) emitting a strong odor.[Template:R](/wiki/Template:R)

The [beech marten's](/wiki/Beech_marten) penis is larger than the pine marten's, with the [bacula](/wiki/Baculum) of young beech martens often outsizing those of old pine martens.[[54]](#cite_note-54) [Raccoons](/wiki/Raccoon) have penis bones which bend at a 90 degree angle at the tip.[[55]](#cite_note-55) The extrusibility of a raccoon's penis can be used to distinguish mature males from immature males.[[56]](#cite_note-56)[[57]](#cite_note-57) Male [walruses](/wiki/Walrus) possess large penis bones, up to [Template:Convert](/wiki/Template:Convert) in length, the largest of any land mammal, both in absolute size and relative to body size.[[58]](#cite_note-58)[[59]](#cite_note-59) The adult male [American mink's](/wiki/American_mink) penis is [Template:Convert](/wiki/Template:Convert) long, and is covered by a [sheath](/wiki/Penile_sheath). The [baculum](/wiki/Baculum) is well-developed, being triangular in [cross section](/wiki/Cross_section_(geometry)) and curved at the tip.[[60]](#cite_note-60)

##### Cetaceans[[edit](/index.php?title=(none)&action=edit&section=8)]

[thumb|left|Penises of](/wiki/File:Penises_in_Jars_(_4890599548.jpg) [minke whales](/wiki/Minke_whale) on display at the [Icelandic Phallological Museum](/wiki/Icelandic_Phallological_Museum) [Template:Expand section](/wiki/Template:Expand_section)

[Template:Anchor](/wiki/Template:Anchor) [Template:Commons category](/wiki/Template:Commons_category) Cetaceans have fibroelastic penises, similar to those of [Artiodactyla](/wiki/Artiodactyla). The tip of the cetacean penis, which tapers toward the end, is called the *pars intrapraeputialis* or *terminal cone*.[[61]](#cite_note-61) The [blue whale](/wiki/Blue_whale) has the [largest penis of any organism](/wiki/Blue_whale_penis) on the planet, typically measuring [Template:Convert](/wiki/Template:Convert).[[62]](#cite_note-62) Accurate measurements of the [blue whale](/wiki/Blue_whale) are difficult to take because [the whale's erect length](/wiki/Blue_whale_penis) can only be observed during mating.[[63]](#cite_note-63) The penis on a right whale can be up to [Template:Convert](/wiki/Template:Convert) – the [testes](/wiki/Testes), at up to [Template:Convert](/wiki/Template:Convert) in length, [Template:Convert](/wiki/Template:Convert) in diameter, and weighing up to [Template:Convert](/wiki/Template:Convert), are also by far the largest of any animal on Earth.[[64]](#cite_note-64) [Template:Anchor](/wiki/Template:Anchor) [Dolphins' reproductive organs](/wiki/Genital_slit) are located on the underside of the body. Male dolphins have two slits, one concealing the penis and one further behind for the [anus](/wiki/Anus).[[65]](#cite_note-65)[[66]](#cite_note-66)[[67]](#cite_note-67)[[68]](#cite_note-68) On at least one occasion, a dolphin was known to tow bathers through the water by hooking [his large penis](/wiki/Dolphin_penis) around them.[[69]](#cite_note-69) Between male bottlenose dolphins, [homosexual behaviour](/wiki/Homosexual_behavior_in_animals) includes rubbing of genitals against each other, which sometimes leads to the males swimming belly to belly, inserting the penis in the other's [genital slit](/wiki/Genital_slit) and sometimes anus.[[70]](#cite_note-70)

##### Bats[[edit](/index.php?title=(none)&action=edit&section=9)]

Males of [Racey's pipistrelle bat](/wiki/Racey's_pipistrelle_bat) have a long, straight penis with a notch between the shaft and the narrow, egg-shaped [glans penis](/wiki/Glans_penis). Near the top, the penis is haired, but the base is almost naked. In the [baculum](/wiki/Baculum) (penis bone), the shaft is long and narrow and slightly curved.<ref name=Bea304>Bates et al., 2006, p. 304</ref> The length of the penis and baculum distinguish *P. raceyi* from all comparably sized African and Malagasy vespertilionids. *P. endoi*, *P. paterculus*, and *P. abramus* have more similar bacula, but that of *P. abramus* is more curved, the shaft and the tip are more robust in *P. paterculus*, and the proximal (near) end is more robust in *P. endoi*.[[71]](#cite_note-71) In males, penis length is [Template:Convert](/wiki/Template:Convert) and baculum length is [Template:Convert](/wiki/Template:Convert).<ref name=Beat1>Bates et al., 2006, table 1</ref>

Copulation by male [greater short-nosed fruit bats](/wiki/Greater_short-nosed_fruit_bat) is dorsoventral and the females lick the shaft or the base of the male's penis, but not the glans which has already penetrated the vagina. While the females do this, the penis is not withdrawn and research has shown a positive relationship between length of the time that the penis is licked and the duration of copulation. Post copulation genital grooming has also been observed.[[72]](#cite_note-72)

##### Rodents[[edit](/index.php?title=(none)&action=edit&section=10)]

The glans penis of the [marsh rice rat](/wiki/Marsh_rice_rat) is long and robust,<ref name=HM13>Hooper and Musser, 1964, p. 13</ref> averaging [Template:Convert](/wiki/Template:Convert) long and [Template:Convert](/wiki/Template:Convert) broad, and the baculum (penis bone) is [Template:Convert](/wiki/Template:Convert) long.[[73]](#cite_note-73) As is characteristic of [Sigmodontinae](/wiki/Sigmodontinae), the marsh rice rat has a complex penis, with the distal (far) end of the baculum ending in three digits.[[74]](#cite_note-74) The central digit is notably larger than those at the sides.<ref name=HM13/> The outer surface of the penis is mostly [covered by small spines](/wiki/Penile_spines), but there is a broad band of nonspinous tissue. The papilla (nipple-like projection) on the dorsal (upper) side of the penis is covered with small spines, a character the marsh rice rat shares only with [*Oligoryzomys*](/wiki/Oligoryzomys) and *Oryzomys couesi* among oryzomyines examined.[[75]](#cite_note-75) On the urethral process, located in the crater at the end of the penis,[[76]](#cite_note-76) a fleshy process (the subapical lobule) is present; it is absent in all other oryzomyines with studied penes except *O. couesi* and [*Holochilus brasiliensis*](/wiki/Holochilus_brasiliensis).[[77]](#cite_note-77) The baculum is deeper than it is wide.<ref name=HM13/>

In [*Transandinomys talamancae*](/wiki/Transandinomys_talamancae), the outer surface of the penis is mostly covered by small spines, but there is a broad band of nonspinous tissue.[[78]](#cite_note-78) Some features of the accessory glands in the male genital region vary among [oryzomyines](/wiki/Oryzomyines). In *Transandinomys talamancae*,[[79]](#cite_note-79) a single pair of [preputial glands](/wiki/Preputial_gland) is present at the penis. As is usual for sigmodontines, there are two pairs of [ventral](/wiki/Ventral) [prostate](/wiki/Prostate) glands and a single pair of [anterior](/wiki/Anterior) and [dorsal](/wiki/Dorsal_(location)) prostate glands. Part of the end of the [vesicular gland](/wiki/Vesicular_gland) is irregularly folded, not smooth as in most oryzomyines.[[80]](#cite_note-80) In Pseudorhyzomys, the [baculum](/wiki/Baculum) (penis bone) displays large protuberances at the sides. In the [cartilaginous](/wiki/Cartilage) part of the baculum, the central digit is smaller than those at the sides.[[81]](#cite_note-81) In [Drymoreomys](/wiki/Drymoreomys), there are three digits at the tip of the penis, of which the central one is the largest. The two lateral digits are not supported by mounds of the [baculum](/wiki/Baculum) (penis bone). There is only one [spine](/wiki/Penile_spines) on the [papilla](/wiki/Wikt:papilla) (nipple-like projection) on the upper side of the penis. On the urethral process, located in the crater at the end of the penis, a fleshy process at the side, the lateral [lobule](/wiki/Lobule), is present. The [preputial glands](/wiki/Preputial_gland) (glands in front of the genitals) are large. The lack of lateral bacular mounds, presence of a lateral lobule, and size of the preputial glands are all unique traits among the oryzomyines.[Template:Sfn](/wiki/Template:Sfn)

In [*Thomasomys ucucha*](/wiki/Thomasomys_ucucha) the [glans penis](/wiki/Glans_penis) is rounded, short, and small and is superficially divided into left and right halves by a trough at the top and a ridge at the bottom. Most of the glans is covered with spines, except for an area near the tip.[[82]](#cite_note-82) The [glans penis](/wiki/Glans_penis) of a male [cape ground squirrel](/wiki/Cape_ground_squirrel) is large with a prominent baculum.<ref name=Skurski2005>[Template:Cite journal](/wiki/Template:Cite_journal)</ref>

Unlike the penises of other squirrel species, a [red squirrel's](/wiki/Red_squirrel) penis is long, thin, and narrow, without a prominent baculum.[[83]](#cite_note-83)[[84]](#cite_note-84) [Winkelmann's mouse](/wiki/Winkelmann's_mouse) can easily be distinguished from its close relatives by the shape of its penis, which has a partially corrugated [glans](/wiki/Glans_penis).<ref name=Bradley1987>[Template:Cite journal](/wiki/Template:Cite_journal)</ref>

The foreskin of a [capybara](/wiki/Capybara) is attached to the anus in an unusual way, forming an anogenital invagination.[[85]](#cite_note-85)

##### Primates[[edit](/index.php?title=(none)&action=edit&section=11)]

[Template:Multiple image](/wiki/Template:Multiple_image) It has been postulated that the shape of the human penis may have been [selected](/wiki/Natural_selection) by [sperm competition](/wiki/Sperm_competition). The shape could have favored displacement of [seminal fluids](/wiki/Seminal_fluid) implanted within the female reproductive tract by rival males: the [thrusting action which occurs during sexual intercourse](/wiki/Pelvic_thrusting) can mechanically remove seminal fluid out of the [cervix](/wiki/Cervix) area from a previous mating.<ref name=Shackelford>[Template:Cite journal](/wiki/Template:Cite_journal)</ref>

The penile morphology of some types of [strepsirrhine](/wiki/Strepsirrhini) [primates](/wiki/Primate) has provided information about their taxonomy.[[86]](#cite_note-86) Male [galago](/wiki/Galago) species possess very distinctive penile morphology that can be used to classify species. In [*O. crassicaudatus*](/wiki/Otolemur_crassicaudatus)*,* the penis is on average [Template:Convert](/wiki/Template:Convert) in length and increases in width towards the distal tip. The [baculum](/wiki/Baculum) clearly protrudes from the end. The glans and shaft are covered in single keratinized spines that point towards the body.[[87]](#cite_note-87)[[88]](#cite_note-88)[[89]](#cite_note-89) The [northern greater galago](/wiki/Northern_greater_galago) penis is on average [Template:Convert](/wiki/Template:Convert) in length and width of shaft is even from body to bottom of tip. The [baculum](/wiki/Baculum) is clearly visible at the tip. The glans terminates with a characteristic set of curves which does not occur in any other species. The surface is spined with doubled headed or even tridentate spines pointing towards the body. They are less densely packed than in *Otolemur crassicaudatus*.[[87]](#cite_note-87)[[88]](#cite_note-88)[[89]](#cite_note-89) The penis of the [ring-tailed lemur](/wiki/Ring-tailed_lemur) is nearly cylindrical in shape and [is covered in small spines](/wiki/Penile_spines), as well as having two pairs of larger spines on both sides. Males have a relatively small baculum (penis bone) compared to their size. The scrotum, penis, and [prepuce](/wiki/Foreskin) are usually coated with a foul-smelling secretion.[[90]](#cite_note-90) The adult male of each [vervet monkey](/wiki/Vervet_monkey) species has a pale blue [scrotum](/wiki/Scrotum) and a red penis,[[91]](#cite_note-91)[[92]](#cite_note-92) and male [proboscis monkeys](/wiki/Proboscis_monkey) have a red penis with a black scrotum.<ref name=Ankel2007>[Template:Cite book](/wiki/Template:Cite_book)</ref>

Male [baboons](/wiki/Baboons) and [squirrel monkeys](/wiki/Squirrel_monkeys) sometimes gesture with an erect penis as both a warning of impeding danger and a threat to predators.[[93]](#cite_note-93)[[94]](#cite_note-94) Genital display among male [squirrel monkeys](/wiki/Common_squirrel_monkey) is an important social signal in relation to group hierarchy; it is derived from sexual behavior but is used for social communication.<ref name=Blitz/> It involves the animal spreading his thighs and having an erect penis.<ref name=Blitz>[Template:Cite journal](/wiki/Template:Cite_journal)</ref>

###### Humans[[edit](/index.php?title=(none)&action=edit&section=12)]

[Template:Main](/wiki/Template:Main) [Template:Commons category](/wiki/Template:Commons_category) [180px|thumb|Penis of a male human](/wiki/File:Penis_Flaccid.jpg)

The human penis is an external sex organ of [male](/wiki/Male) [humans](/wiki/Human). It is a [reproductive](/wiki/Reproductive), [intromittent organ](/wiki/Intromittent_organ) that additionally serves as the [urinal duct](/wiki/Urination). The main parts are the root of the penis (radix): It is the attached part, consisting of the [bulb of penis](/wiki/Bulb_of_penis) in the middle and the [crus of penis](/wiki/Crus_of_penis), one on either side of the bulb; the body of the penis (corpus); and the [epithelium](/wiki/Epithelium) of the penis consists of the shaft [skin](/wiki/Skin), the [foreskin](/wiki/Foreskin), and the [preputial mucosa](/wiki/Preputial_mucosa) on the inside of the foreskin and covering the [glans penis](/wiki/Glans_penis).

The human penis is made up of three columns of [tissue](/wiki/Tissue_(biology)): two [corpora cavernosa](/wiki/Corpus_cavernosum_penis) lie next to each other on the [dorsal side](/wiki/Dorsal_side) and one [corpus spongiosum](/wiki/Corpus_spongiosum_penis) lies between them on the [ventral side](/wiki/Ventral_side). The [urethra](/wiki/Urethra), which is the last part of the [urinary tract](/wiki/Urinary_tract), traverses the corpus spongiosum, and its opening, known as the [meatus](/wiki/External_urethral_orifice_(male)) [Template:IPAc-en](/wiki/Template:IPAc-en), lies on the tip of the glans penis. It is a passage both for [urine](/wiki/Urine) and for the [ejaculation](/wiki/Ejaculation) of [semen](/wiki/Semen).

In males, the expulsion of [urine](/wiki/Urine) from the body is done through the penis. The [urethra](/wiki/Urethra) drains the bladder through the [prostate gland](/wiki/Prostate_gland) where it is joined by the [ejaculatory duct](/wiki/Ejaculatory_duct), and then onward to the penis.

An erection is the stiffening and rising of the penis, which occurs during [sexual arousal](/wiki/Sexual_arousal), though it can also happen in non-sexual situations. Ejaculation is the ejecting of [semen](/wiki/Semen) from the penis, and is usually accompanied by [orgasm](/wiki/Orgasm). A series of muscular contractions delivers semen, containing male [gametes](/wiki/Gametes) known as sperm cells or [spermatozoa](/wiki/Spermatozoa), from the penis.

The most common form of genital alteration is [circumcision](/wiki/Circumcision): removal of part or all of the foreskin for various cultural, religious, and more rarely medical reasons. There is controversy surrounding circumcision.

While results vary across studies, the consensus is that the average [erect](/wiki/Erection) human penis is approximately [Template:Convert](/wiki/Template:Convert) in length with 95% of adult males falling within the interval [Template:Convert](/wiki/Template:Convert).[Template:Citation needed](/wiki/Template:Citation_needed) Neither patient age nor size of the flaccid penis accurately predicted erectile length.

##### Other mammals[[edit](/index.php?title=(none)&action=edit&section=13)]

[Template:Organize section](/wiki/Template:Organize_section)

The penis of the [bush hyrax](/wiki/Bush_hyrax) is complex and distinct from that of the other hyrax genera. It has a short, thin appendage within a cup-like glans penis and measures greater than [Template:Convert](/wiki/Template:Convert) when erect. Additionally, it has been observed that the bush hyrax also has a greater distance between the anus and preputial opening in comparison to other hyraxes.<ref name=B&S>[Template:Cite journal](/wiki/Template:Cite_journal)</ref>

[Template:Commons category](/wiki/Template:Commons_category) [Template:Anchor](/wiki/Template:Anchor) An adult elephant has [the largest penis of any land animal](/wiki/Elephant#Internal_and_sexual_organs).[[95]](#cite_note-95)[Template:Unreliable source?](/wiki/Template:Unreliable_source?) An elephant's penis can reach a length of [Template:Convert](/wiki/Template:Convert) and a diameter of [Template:Convert](/wiki/Template:Convert) at the base.[Template:Citation needed](/wiki/Template:Citation_needed) It is S-shaped when fully erect and has a Y-shaped [orifice](/wiki/External_urethral_orifice_(male)).[[96]](#cite_note-96) During [musth](/wiki/Musth), a male elephant may urinate with his penis still in the [sheath](/wiki/Penile_sheath), which causes the urine to spray on the [hind legs](/wiki/Hind_legs).[[97]](#cite_note-97)<ref name=Sukumar100>Sukumar, pp. 100–08.</ref> An elephant's penis is very mobile, being able to move independently of the male's pelvis,[[98]](#cite_note-98) and the penis curves forward and upward prior to [mounting another elephant](/wiki/Mating_elephants).[[45]](#cite_note-45) In [giant anteaters](/wiki/Giant_anteaters), the (retracted) penis and testes are located internally between the rectum and [urinary bladder](/wiki/Urinary_bladder).<ref name=Grzimek>[Template:Cite book](/wiki/Template:Cite_book)</ref>

When the male armadillo [*Chaetophractus villosus*](/wiki/Chaetophractus_villosus) is [sexually aroused](/wiki/Sexually_aroused), species determination is easier. Its penis can be as long as [Template:Convert](/wiki/Template:Convert), and usually remains completely withdrawn inside a skin receptacle.[[99]](#cite_note-99) Scientists conducting studies on the *C. villosus* penis muscles revealed this species' very long penis exhibits variability. During its waking hours, it remains hidden beneath a skin receptacle, until it becomes erect and it projects outside in a [rostral](/wiki/Ipsilateral) direction. During its [slow wave sleep](/wiki/Slow_wave_sleep) phase, penile protrusion makes some very complex movements. The penis during this phase is not erect, but remains outside of its receptacle. During [paradoxical sleep](/wiki/Paradoxical_sleep), no erections occur, and the penile muscles share the characteristics of the rest of the body.[[100]](#cite_note-100) [Template:Anchor](/wiki/Template:Anchor) Most marsupials, except for the two largest species of kangaroos and [marsupial moles](/wiki/Marsupial_mole)[[101]](#cite_note-101) (assuming the latter are true marsupials), [have a bifurcated penis](/wiki/Marsupial_penis), separated into two columns, so that the penis has two ends corresponding to the females' two vaginas.[[102]](#cite_note-102) Male [echidnas](/wiki/Echidna) have a four-headed penis.[[103]](#cite_note-103) During mating, the heads on one side "shut down" and do not grow in size; the other two are used to release semen into the female's two-branched reproductive tract. The heads used are swapped each time the mammal copulates.[[104]](#cite_note-104) When not in use, the penis is retracted inside a preputial sac in the cloaca. The male echidna's penis is [Template:Convert](/wiki/Template:Convert) long when erect, and its shaft is covered with [penile spines](/wiki/Penile_spines).[[105]](#cite_note-105) The penis is nearly a quarter of his body length when erect.[[106]](#cite_note-106) Each side of the bilaterally symmetrical, rosette-like, four-headed penis [similar to that of reptiles and [Template:Convert](/wiki/Template:Convert) in length] is used alternately, with the other half being shut down between ejaculations.[[107]](#cite_note-107)[[108]](#cite_note-108) [Monotremes](/wiki/Monotreme) and [marsupial moles](/wiki/Marsupial_mole) are the only mammals in which the penis is located inside the cloaca.[[109]](#cite_note-109)[[110]](#cite_note-110)

#### Other vertebrates[[edit](/index.php?title=(none)&action=edit&section=14)]

[Template:See also](/wiki/Template:See_also)

Male [turtles](/wiki/Turtle) and [crocodiles](/wiki/Crocodile) have a penis, while male specimens of the reptile order [Squamata](/wiki/Squamata) have two paired organs called [hemipenes](/wiki/Hemipenis). [Tuataras](/wiki/Tuatara) must use their cloacae for reproduction.[[111]](#cite_note-111) In some fishes, the [gonopodium](/wiki/Gonopodium), [andropodium](/wiki/Andropodium), and [claspers](/wiki/Clasper) are intromittent organs (to introduce sperm into the female) developed from modified fins.

### Invertebrates[[edit](/index.php?title=(none)&action=edit&section=15)]

[Template:Main](/wiki/Template:Main)

#### Arthropods[[edit](/index.php?title=(none)&action=edit&section=16)]

[thumb|The spine-covered penis of *Callosobruchus analis*, a](/wiki/File:Callosobruchus_analis_penis.jpg) [bean weevil](/wiki/Bean_weevil). The record for the largest penis to body size ratio is held by the [barnacle](/wiki/Barnacle). The barnacle's penis can grow to up to forty times its own body length. This enables them to reach the nearest female.

A number of invertebrate species have independently evolved the mating technique of [traumatic insemination](/wiki/Traumatic_insemination) where the penis penetrates the female's abdomen and deposits sperm in the wound it produces. This has been most fully studied in [bed bugs](/wiki/Bed_bug).

In [millipedes](/wiki/Millipede) that have them, the penis is simply one or two projections on underneath the third body segment that produce a [spermatophore](/wiki/Spermatophore) or sperm packet. The act of insemination however occurs through specialized legs called [gonopods](/wiki/Gonopod_(millipedes)) which collect the spermatophore and insert it into the female.

##### Insects[[edit](/index.php?title=(none)&action=edit&section=17)]

[Template:See also](/wiki/Template:See_also) In male [insects](/wiki/Insect), the structure analogous to a penis is known as [aedeagus](/wiki/Aedeagus). The male copulatory organ of various lower invertebrate animals is often called the *cirrus*.[Template:Citation needed](/wiki/Template:Citation_needed)

The [lesser water boatman's](/wiki/Lesser_water_boatman) [mating call](/wiki/Mating_call), generated by rubbing the penis against the [abdomen](/wiki/Abdomen), is the loudest sound, relative to body size, in the animal kingdom.[[112]](#cite_note-112) In 2010, entomologist Charles Linehard described [*Neotrogla*](/wiki/Neotrogla), a new genus of [barkflies](/wiki/Psocoptera). Species of this genus have sex-reversed genitalia. Females have penis-like organs called gynosomes that are inserted into vagina-like openings of males during mating.[[113]](#cite_note-113) In 2014, a detailed study of the insects reproductive habits led by Kazunori Yoshizawae confirmed that the organ functions similar to a penis – for example, it swells during sexual intercourse – and is used to extract sperm from the male.[[114]](#cite_note-114)[[115]](#cite_note-115)

#### Mollusks[[edit](/index.php?title=(none)&action=edit&section=18)]

The penis in most male [Coleoid](/wiki/Coleoidea) [cephalopods](/wiki/Cephalopods) is a long and muscular end of the [gonoduct](/wiki/Gonoduct) used to transfer spermatophores to a modified arm called a [hectocotylus](/wiki/Hectocotylus). That, in turn, is used to transfer the spermatophores to the female. In species where the hectocotylus is missing, the penis is long and able to extend beyond the mantle cavity and transfers the spermatophores directly to the female. Deep water squid have the [greatest known penis length relative to body size](/wiki/Squid#Reproductive_system) of all mobile animals, second in the entire animal kingdom only to certain sessile [barnacles](/wiki/Barnacle) Penis elongation in [*Onykia ingens*](/wiki/Onykia_ingens) may result in a penis that is as long as the mantle, head and arms combined.[[116]](#cite_note-116)[[117]](#cite_note-117) [Giant squid](/wiki/Giant_squid) of the genus *Architeuthis* are unusual in that they possess both a large penis and modified arm tips, although it is uncertain whether the latter are used for spermatophore transfer.<ref name=penis>Arkhipkin, A.I. & V.V. Laptikhovsky 2010. Observation of penis elongation in *Onykia ingens*: implications for spermatophore transfer in deep-water squid. *Journal Molluscan Studies*, published online on June 30, 2010. [Template:DOI](/wiki/Template:DOI)</ref>

## Etymology[[edit](/index.php?title=(none)&action=edit&section=19)]

The word "penis" is taken from the [Latin](/wiki/Latin) word for "[tail](/wiki/Latin_profanity#Synonyms_and_metaphors)." Some derive that from [Indo-European](/wiki/Proto-Indo-European_language) *\*pesnis*, and the Greek word πέος = "penis" from Indo-European *\*pesos*. Prior to the adoption of the Latin word in English the penis was referred to as a "yard". The [Oxford English Dictionary](/wiki/Oxford_English_Dictionary) cites an example of the word *yard* used in this sense from 1379,[[118]](#cite_note-118) and notes that in his *Physical Dictionary* of 1684, [Steven Blankaart](/wiki/Steven_Blankaart) defined the word *penis* as "the Yard, made up of two nervous Bodies, the Channel, Nut, Skin, and Fore-skin, etc."[[119]](#cite_note-119) As with nearly any aspect of the body involved in sexual or [excretory](/wiki/Excretory) functions, the penis is the subject of many [slang](/wiki/Slang) words and [euphemisms](/wiki/Euphemism) for it, a particularly common and enduring one being "cock". See [WikiSaurus:penis](/wiki/Wiktionary:WikiSaurus:penis) for a list of alternative words for penis.

The Latin word *"*[*phallus*](/wiki/Phallus)*"* (from [Greek](/wiki/Greek_language) φαλλος) is sometimes used to describe the penis, although "phallus" originally was used to describe *representations*, pictorial or carved, of the penis.[[120]](#cite_note-120) [Pizzle](/wiki/Pizzle), an archaic English word for penis, of Low German or Dutch origin, is now used to denote the penis of a non-human animal.[Template:Citation needed](/wiki/Template:Citation_needed)

The adjectival form of the word penis is penile. This adjective is commonly used in describing various accessory structures of male copulatory organs found in many kinds of [invertebrate](/wiki/Invertebrate) animals.[Template:Citation needed](/wiki/Template:Citation_needed)

## Human use of animal penises[[edit](/index.php?title=(none)&action=edit&section=20)]

[Template:Main](/wiki/Template:Main) [Template:Commons category](/wiki/Template:Commons_category) Pizzles are represented in [heraldry](/wiki/Heraldry), where the adjective **pizzled** (or **vilené**[[121]](#cite_note-121)) indicates that part of an animate [charge's](/wiki/Charge_(heraldry)) anatomy, especially if coloured differently.

## See also[[edit](/index.php?title=(none)&action=edit&section=21)]

[Template:Col-begin](/wiki/Template:Col-begin)[Template:Col-break](/wiki/Template:Col-break)

* [Buried penis](/wiki/Buried_penis)
* [Castration anxiety](/wiki/Castration_anxiety)
* [Diphallia](/wiki/Diphallia)
* [Dildo](/wiki/Dildo)
* [Erogenous zone](/wiki/Erogenous_zone)
* [Koteka](/wiki/Koteka)

[Template:Col-break](/wiki/Template:Col-break)

* [Micropenis](/wiki/Micropenis)
* [Penis enlargement](/wiki/Penis_enlargement)
* [Penis envy](/wiki/Penis_envy)
* [Penis removal](/wiki/Penis_removal)
* [Phallic architecture](/wiki/Phallic_architecture)

[Template:Col-break](/wiki/Template:Col-break)

* [Preputioplasty](/wiki/Preputioplasty)
* [Pubic hair](/wiki/Pubic_hair)
* [Stamen](/wiki/Stamen)
* [Stunt cock](/wiki/Stunt_cock)
* [Testicle](/wiki/Testicle)

[Template:Col-end](/wiki/Template:Col-end)

## References[[edit](/index.php?title=(none)&action=edit&section=22)]

### Notes[[edit](/index.php?title=(none)&action=edit&section=23)]

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### Bibliography[[edit](/index.php?title=(none)&action=edit&section=24)]

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#### Horses[[edit](/index.php?title=(none)&action=edit&section=25)]

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#### Marsupials[[edit](/index.php?title=(none)&action=edit&section=26)]

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#### Other animals[[edit](/index.php?title=(none)&action=edit&section=27)]

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## External links[[edit](/index.php?title=(none)&action=edit&section=28)]

[Template:Wiktionary](/wiki/Template:Wiktionary)

* [Template:Commons-inline](/wiki/Template:Commons-inline)
* [Kinsey Institute on the penis](http://www.kinseyinstitute.org/resources/bib-penis.html)

[Template:Navboxes](/wiki/Template:Navboxes)

[Template:Authority control](/wiki/Template:Authority_control)

[Category:Penis](/wiki/Category:Penis) [Category:Animal male reproductive system](/wiki/Category:Animal_male_reproductive_system) [Category:Articles containing video clips](/wiki/Category:Articles_containing_video_clips) [Category:Sex organs](/wiki/Category:Sex_organs)