

15 Order Cyclophyllidea van Beneden in Braun, 1900

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ORDER CYCLOPHYLLIDEA VAN BENEDEN IN BRAUN, 1900

Diagnosis: Scolex usually with four suckers. Rostellum usually present but may be absent, armed or not. Strobila usually with distinct metamerism, usually hermaphroditic. Genital pores usually lateral (ventral in Mesocestoididae). Vitellarium compact, usually posterior to ovary. Uterus variable; may be persistent or replaced by paruterine organ(s) or other derivatives. Parasitic as adults in amphibians, reptiles, birds and mammals.

Key to families

- 1a. Genital pores median ... Mesocestoididae Perrier, 1897. (Chapter 16.)
- 1b. Genital pores marginal or submarginal 2.

- 2a. Strobila cylindrical; external segmentation evident only posteriorly. Two (rarely three) testes per proglottid. Uterus replaced by two or more paruterine organs. Adults in reptiles and amphibians
..... Nematotaeniidae Lühe, 1910. (Chapter 19.)
- 2b. Strobila dorsoventrally flattened; external segmentation usually present, rarely absent. Testes number variable. Paruterine organs present or absent 3.

- 3a. Dioecious. Male and female strobila entirely separate or female strobila retains male copulatory apparatus
..... Dioecocestidae Southwell, 1930. (Chapter 22.)
- 3b. Strobila hermaphroditic 4.

- 4a. Mature uterus persistent, a median stem with lateral branches 5.

- 4b. Mature uterus otherwise if persistent, or replaced by uterine capsules or paruterine organs 6.
- 5a. Armed rostellum present (rarely absent) with two rows of hooks. Eggs with thick-walled embryophore composed of polygonal blocks. Adults in carnivores Taeniidae Ludwig, 1886. (Chapter 30.)
- 5b. Armed rostellum absent. Eggs otherwise. Adults in rodents Catenotaeniidae Spasskii, 1950. (Chapter 18.)
- 6a. Rostellum usually present, rarely absent, typically armed with very numerous minute hammer-shaped hooks. Hooks rarely otherwise. Rostellar spines present or absent. Suckers often spinose. Uterus persistent or replaced by uterine capsules or paruterine organs Davaineidae Braun, 1900. (Chapter 24.)
- 6b. Rostellum present or absent. Rostellar hooks not hammer-shaped. Uterus as above 7.
- 7a. Rostellum absent; suckers unarmed. Proglottids wider than long, including gravid proglottids. Uterus persistent or replaced by uterine capsules or paruterine organs. Eggs often with pyriform apparatus Anoplocephalidae Cholodkowsky, 1902. (Chapter 17.)
- 7b. Rostellum usually present, rarely absent. Uterus as above. Pyriform apparatus absent 8.
- 8a. Typical vagina normally present, rarely absent 9.
- 8b. Typical vagina absent or vestigial, may be functionally replaced by other ducts 13.
- 9a. Uterus replaced by single paruterine organ. Rostellum without saccular sheath. In non-aquatic birds Paruterinidae Fuhrmann, 1907. (Chapter 27.)
- 9b. Uterus persistent or replaced by uterine capsules 10.
- 10a. Rostellum usually present (rarely absent or vestigial); rostellar pouch present 11.
- 10b. Rostellum usually present; rostellar pouch absent 12.
- 11a. Rostellar hooks in one row, exceptionally two. Genitalia single, rarely double. Genital pores usually unilateral, rarely alternating. Testes usually three, rarely more or less. Uterus persistent, sacciform, occasionally reticular Hymenolepididae Ariola, 1899. (Chapter 29.)
- 11b. Rostellar hooks in one or more rows. Genitalia single, rarely double. Genital pores unilateral, alternating or double (rarely). Testes numerous. Uterus persistent or replaced by egg capsules Dilepididae Railliet & Henry, 1909. (Chapter 25.)

- 12a. Genitalia single. Uterus persistent, sacciform. In non-aquatic birds
..... Metadilepididae Spasskii, 1959. (Chapter 28.)
- 12b. Genitalia double. Uterus replaced by uterine capsules containing one or
several eggs. In mammals ... Dipylidiidae Stiles, 1896. (Chapter 26.)
- 13a. Proterogynous. Proglottids hermaphroditic or male and female proglottids
alternate regularly
..... Progynotaeniidae Fuhrmann, 1936. (Chapter 20.)
- 13b. Protandrous 14.
- 14a. Secondary supplementary ducts present in female reproductive system
..... Amabiliidae Braun, 1900. (Chapter 23.)
- 14b. Supplementary ducts absent
..... Acoleidae Fuhrmann, 1899. (Chapter 21.)