From	Description	То
0	Specimen	1
	Female didelphic	2
	Female monodelphic	4
	Cephalic framework moderately sclerotized; vulva provided with lateral vulval membranes; male cloaca	Antarctenchus (Spaull,
2	provided with large hypoptygmata	1972)
	Cephalic framework not sclerotized; vulva without lateral vulval membranes; male without hypoptygmata	·
	vuivai membranes, maie without hypoptygmata	3
3	Head high with distinct amphidial slit on the lateral side; median bulb usually behind middle of pharynx	Psilenchus (de Man, 1921)
3	Head low with indistinct amphidial slit; median bulb anterior to middle of pharynx	Atetylenchus (Cobb 1913)
	Stylet = 76-104 µm	5
	Stylet = 38-52 μm	Epicharinema (Raski, Maggenti, Koshy & Sosamma, 1982)
	Stylet = 22-34 μm	6
4	Stylet less than 22 μm	7
5	Cephalic region continuous, not lobed; lateral field beginning near middle of pharynx	Tylodorus (Meagher, 1964)
5	Cephalic region offset, with four prominent lobes; lateral field beginning at base of pharynx	Arboritynchus (Reay, 1991)
6	Cuticle with longitudinal ridges	Campbellenchus (Wouts, 1977)
_	Cuticle without longitudinal ridges except for the lateral	Gracilancea (Siddiqi,
	field	1976)
	Head with setae	8
7	Head without setae	9
8	Vulva covered by longitudinal flap, male without caudal alae; cloaca provided with large hypoptytgmata	Atetylenchus (Cobb 1913)
8	Vulva with lateral vulval flaps; male with caudal alae; cloaca raised	Eutylenchus (Cobb 1913)

9 Cuticle provided with longitudinal ridges 2 Cuticle without longitudinal ridges except for the lateral 3 field 14 10 Stylet conus about 1/3 of stylet length 11 10 Stylet conus about 1/2 of stylet length 13 The longitudinal ridges mask the transverse body annulations; lateral field not distinct (the mid-lateral ridge 14 appears slightly larger than the others) 2000) The longitudinal ridges divide the transverse annulations 11 into blocks 12 Lateral field with four lines Neothada (Khan, 1973) Ecphyadophoriodes (Corbett 1964) 12 Lateral field with two lines, very thin animals (Corbett 1964) Pleurotylencus (Szczygiel, 1969) Vulva covered by longitudinal flap; stylet = 17-19 µm (Szczygiel, 1969) Vulva with lateral flaps (sometimes small or absent); stylet 2 (Szczygiel, 1969) Vulva with lateral flaps (sometimes small or absent); stylet 3 (Szczygiel, 1969) 14 Stylet conus about 1/3 of stylet length 15 15 Head high with oblique or transverse amphidial slit on 15 the lateral side 16 Head variously shaped, amphidial slit longitudinally oriented or only present on the front (than not seen by 15 light microscopy 18 Body ventrally curved, sometimes in spiral; female reproductive system with offset spermatheca filled with small refractive sperm and ovary with oocytes in multiple 16 rows 17			
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14 Stylet conus about 1/2 stylet length 15. Head high with oblique or transverse amphidial slit on the lateral side 16 Head variously shaped, amphidial slit longitudinally oriented or only present on the front (than not seen by light microscopy 18 Body ventrally curved, sometimes in spiral; female reproductive system with offset spermatheca filled with small refractive sperm and ovary with oocytes in multiple rows Body straight or only slightly curved; sperm not refractive			
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16 rows 1941) Body straight or only slightly curved; sperm not refractive		reproductive system with offset spermatheca filled with	
16 rows 1941) Body straight or only slightly curved; sperm not refractive		small refractive sperm and ovary with oocytes in multiple	Boleodorus (Thorne,
	16		,
16 and pocytes not in multiple rows		Body straight or only slightly curved; sperm not refractive	
Tolana docytes not in mainiple rows	16	and oocytes not in multiple rows	17

	17. Anterior part of stylet not conical but with wide lumen,	Neopsilenchus (Thorne
17	stylet without knobs	& Malek, 1968)
	,	, ,
	Anterior part of stylet conical with the usual very fine	
17	lumen; stylet with or without knobs	Basiria (Siddiqi, 1959)
		Cucullitylenchus
18	Head with large dome-shaped structure	(Huang & Raski, 1986)
4.0		
	Head with small disc-like structure at front end	19
18	Head with smooth contour	20
10	Very slender, (a-value=62-67); caudal alae posteriorly	Mitranema (Siddiqi,
19	concave	1986)
10	Not so slender; caudal alae rounded, no vulval flaps	Discotylenchus (Siddiqi, 1980)
13	Not so siender, caddar arae rodnued, no vdivar naps	Malenchus (M.
		labiatus) (Magbool &
19	Not so slender; caudal alae rounded, distinct vulval flaps	Shahina, 1985)
	notes siemaen, caadan dide realided, distinct varial maps	
20	Very slender body (a-value 60-180); bursa lobed	21
	Very slender body, bursa not lobed	22
20	Body not extremely slender; bursa (if present) not lobed	23
	Body constricted at vulva; head quadrangular (amphidial	
	openings small pores on front, not distinct with light	Ecyphyadophora (de
21	microscopy)	Man, 1921)
	Body not constricted at vulva; head dorso-ventrally	Tanana ana allana (Cialalia)
2.4		
	· · · · · · · · · · · · · · · · · · ·	Tenunemellus (Siddiqi,
21	flattened; long sinuous amphidial aperture	1986)
	flattened; long sinuous amphidial aperture	1986) Ultratenella (Siddiqi,
	· · · · · · · · · · · · · · · · · · ·	1986) Ultratenella (Siddiqi, 1984)
22	flattened; long sinuous amphidial aperture Lateral field absent	1986) Ultratenella (Siddiqi, 1984) Chilenchus (Siddiqi,
22 22	flattened; long sinuous amphidial aperture Lateral field absent Lateral field prominent with four lines	1986) Ultratenella (Siddiqi, 1984) Chilenchus (Siddiqi, 2000)
22 22	flattened; long sinuous amphidial aperture Lateral field absent Lateral field prominent with four lines Cuticular annuli deeply incised	1986) Ultratenella (Siddiqi, 1984) Chilenchus (Siddiqi, 2000)
22 22 23	flattened; long sinuous amphidial aperture Lateral field absent Lateral field prominent with four lines	1986) Ultratenella (Siddiqi, 1984) Chilenchus (Siddiqi, 2000)
22 22 23	Lateral field absent Lateral field prominent with four lines Cuticular annuli deeply incised Cuticular annuli not so deeply incised, sometimes	1986) Ultratenella (Siddiqi, 1984) Chilenchus (Siddiqi, 2000)
22 22 23 23	flattened; long sinuous amphidial aperture Lateral field absent Lateral field prominent with four lines Cuticular annuli deeply incised Cuticular annuli not so deeply incised, sometimes indistinct	1986) Ultratenella (Siddiqi, 1984) Chilenchus (Siddiqi, 2000)
22 22 23 23	Lateral field absent Lateral field prominent with four lines Cuticular annuli deeply incised Cuticular annuli not so deeply incised, sometimes indistinct Stylet with minute swellings, median bulb hardly	1986) Ultratenella (Siddiqi, 1984) Chilenchus (Siddiqi, 2000) 24

	Annuli zigzag in surface view; annulations continue on the	Miculenchus
25	head; male without caudal alae	(Andrássy, 1959)
25	Annuli normal; male with caudal alae	26
	Vulva with projecting vulval lips, male with elongated	Silenchus (Andrássy,
26	bursa	2001)
	Vulva sunken in body; male with rather short, ad-cloacal	Malenchus (Andrássy,
26	bursa	1968)
	Head dorso-ventrally flattened with longitudinal sinuous	
	amphidial apertures; the small head contains large	Lelenchus (Andrássy,
27	amphidial pouches; body usually very slender	1954)
	Head quadrangular with usually longitudinal (but not	
	sinuous) amphidial apertures; amphidial pouches not	
27	distinct; relatively thicker species	28
	Clavate stylet knobs with ventrally situated opening of	
	pharyngeal lumen; dorsal gland has opening one half to	Irantylenchus (Kheiri,
28	one stylet length posterior to knobs	1972)
	Stylet has rounded knobs; dorsal gland opening close to	
28	knobs	29
		Fraglenchus (Siddiqi,
	Lateral vulval membranes	2000)
29	Lateral vulval membranes absent	30
20	Madian bulb undandardardard usardar	Cabia (Whan 4004)
30	Median bulb underdeveloped, no valves	Sakia (Khan, 1964)
20	Modian bulb clightly or wall daysland with values	Filenchus (Andrássy,
	Median bulb slightly or well developed, with valves	1954)
	Vulva without flans	32
31	Vulva without flaps Lateral field with two lines; vagina thin; post-vulval sac	Allotylenchus
22		1 '
32	short	(Andrássy, 1984)
	Lateral field with three lines (but the two ridges can	
	slightly separate so that in total four lines can sometimes	Aglenchus (Andrássy,
22	be seen); vagina thickened; post-vulval sac short	1954)
52	De Seenj, vagina tinekeneu, post-vulval sac short	1774)

	Lateral field with four lines, vagina not swollen, no post-	Fraglenchus (Siddiqi,
32	vulval uterine sac	2000)
	Lateral field usually with six lines, sometimes four lines;	
	vagina not thickened; post-vulval uterine sac well	Cephalenchus
32	developed	(Goodey, 1962)
		Tanzanius (Siddiqi,
33	Pharynx without median bulb	1991)
33	Pharynx with median bulb	34
	Lateral field and body annulations at mid-body mostly	
34	inconspicuous	35
	Lateral field and body annulations distinct; caudal alae	
34	distinct	36
		Cervoannulatus (Bajaj,
35	A few large annuli just posterior to the head	1998)
		Polenchus (Andrássy,
35	Not such large annuli	1980)
	Vulva with projecting vulval lips, male with elongated	Silenchus (Andrássy,
36	bursa	2001)
		Tylenchus (Bastian,
36	Vulva plain, male with shorter, ad-cloacal bursa	1865)