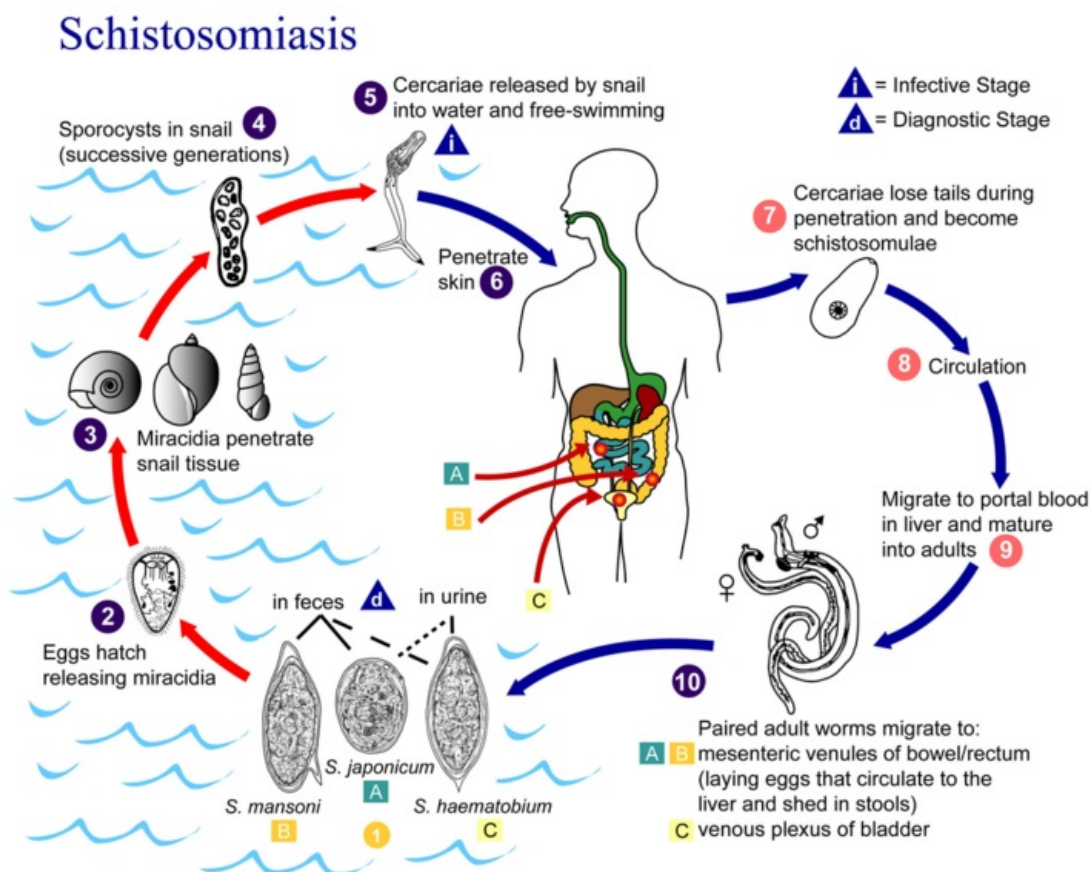


File:Schistosomiasis Life Cycle.png



Size of this preview: 752 × 600 pixels.

Original file (1,128 × 900 pixels, file size: 535 KB, MIME type: image/png)

Summary

Description

Eggs are eliminated with feces or urine (1). Under optimal conditions the eggs hatch and release miracidia (2), which swim and penetrate specific snail intermediate hosts (3). The stages in the snail include 2 generations of sporocysts (4) and the production of cercariae (5). Upon release from the snail, the infective cercariae swim, penetrate the skin of the human host (6), and shed their forked tail, becoming schistosomulae (7). The schistosomulae migrate through several tissues and stages to their residence in the veins (8,9). Adult worms in humans reside in the mesenteric venules in various locations, which at times seem to be specific for each species (10). For instance, *S. japonicum* is more frequently found in the superior mesenteric veins draining the small intestine [A], and *S. mansoni* occurs more often in the superior mesenteric veins draining the large intestine [B]. However, both species can occupy either location, and they are capable of moving between sites, so it is not possible to state unequivocally that one species only occurs in one location. *S. haematobium* most often occurs in the venous plexus of bladder [C], but it can also be found in the rectal venules. The females (size 7 to 20 mm; males slightly smaller) deposit eggs in the small venules of the portal and perivesical systems. The eggs are moved progressively toward the lumen of the intestine (*S. mansoni* and *S. japonicum*) and of the bladder and ureters (*S. haematobium*), and are eliminated with feces or urine, respectively (1).

Author

{{{author}}}

Source

<https://www.cdc.gov/dpdx/schistosomiasis/>

Date

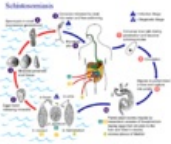
6.1.2022

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current	20:31, 6 January 2022		1,128 × 900 (535 KB)	JosefG (talk contribs)	{{File description = Schistosomiasis life cycle source = Wikiskripta date = 6.1.2022 }}

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The following page uses this file:

- Schistosomiasis

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