

TD3 Correction

Taeniasis/cysticercosis

Text:

Taeniasis is an intestinal infection caused by 3 species of tapeworm: *Taenia solium* (pork tapeworm), *Taenia saginata* (beef tapeworm) and *Taenia asiatica*.

Humans can become infected with *T. saginata* or *T. asiatica* when they consume infected beef meat or pig liver tissue, respectively, which has not been adequately cooked, but taeniasis due to *T. saginata* or *T. asiatica* has no major impact on human health. Therefore, this fact sheet refers to the transmission and health impacts of *T. solium* only.

Human **cysticercosis** can result in devastating effects on human health. The larvae (cysticerci) may develop in the muscles, skin, eyes and the **central nervous system**. When cysts develop in the brain, the condition is referred to as **neurocysticercosis** (NCC). Symptoms include severe headache, blindness, convulsions and epileptic seizures and can be fatal.

Questions:

1. What is the infection caused by taenia species?
2. What is the taenia species that may infect humans after consuming beef meat?
3. Which taenia species that has an impact on human health?
4. When a neurocysticercosis can manifest in humans?
5. Cite the neurocysticercosis symptoms.
6. Translate the underline words into Arabic and French language.
7. Give the definition of the bold words.
8. What are the verb conjugation tenses used in the text?

Answers:

1. The infection caused by taenia species called taeniasis
2. The taenia species that may infect humans after consuming beef meat is *T. saginata*
3. *Taenia solium* is the species that has an impact on human health
4. neurocysticercosis can manifest in humans when cysts develop in the brain

5. the neurocysticercosis symptoms may include severe headache, blindness, convulsions and epileptic seizures

6. Translation:

English	French	Arabic
Intestinal infection	Infection intestinale	عدوى معوية
Tapeworm	Ténia (ver solitaire)	دودة شريطية
Beef	Bœuf	بقر (بقرى)
Meat	Viande	لحم
Pig	Porc	خنزير
Tissue	Tissu	الأنسجة
Adequately	Adéquatement	بشكل كاف ومناسب
Impact on human health	Impact sur la santé humaine	الأثر على صحة الإنسان
Larvae	Les larves	يرقات
Headache	Mal de tête	صداع الرأس
Blindness	Cécité	العمى
Convulsions	Convulsions	تشنجات
Fatal	Mortel	مميت

7. Definition

- **Cysticercosis:** *Cysticercosis* is a parasitic tissue infection caused by larval cysts of the tapeworm *Taenia solium*. These larval cysts infect brain, muscle, or other tissue
- **Central nervous system:** The central nervous system (CNS) is **made up of the brain and spinal cord**. It is one of 2 parts of the nervous system. The other part is the peripheral nervous system, which consists of nerves that connect the brain and spinal cord to the rest of the body.
- **Neurocysticercosis:** is the most common helminthic infection of the nervous system, it is a result of accidental ingestion of eggs of *Taenia solium* (pork tapeworm); it may cause neurologic syndromes such as epileptic seizures.

8. The verb conjugation tenses used in the text are: simple present, present perfect “has not been cooked” (passive form)