Dear Editor

Colorectal parasitosis is of great significance in the tropical world (1), where several parasitic infestations can be seen. However, an interesting concern is the interrelationship between parasitic infestation and colorectal cancer. Of several parasites, Cryptosporidium spp. is widely mentioned. A high prevalence of cryptosporidiosis has been observed in cases with colorectal cancer (2, 3). In fact, the interrelationship was proposed a long time ago: Izquierdo et al. (4) were first to mention it in their observation: “Diarrhea caused by Cryptosporidium and colonic neoplasia”. At the time, there was very little interest in this topic; nevertheless, the emergence of the HIV infection turned cryptosporidiosis into a common clinical problem and raised concern over the interrelationship between cryptosporidiosis and colorectal cancer. Shebl et al. (5) studied AIDS cases and noted; “Cryptosporidiosis was associated with rare colon squamous cell carcinomas...” Nonetheless, the exact pathophysiology has never been proved. Recently, Abdou et al. (6) studied an animal model and reported that the parasite might trigger cellular dysplasia. The exact pathophysiological process of the possible carcinogenesis in cryptosporidiosis is an important topic for further research.

Footnotes

Authors’ Contributions: Sim Sai Tin came up with 90% of the idea, wrote, and approved the final paper. Viroj Wiwanitkit was responsible for 10% of the idea and approved the final paper.

References