

Brain Hydatid Cyst cases in Neurosurgery ward of Aliabad Hospital

Ahmad Fawad Pirzad M.D

Neurosurgery department of Aliabad Hospital, Kabul University of Medical Sciences (KUMS), Afghanistan.

Abstract

Brain Hydatid Cyst is one of rare causes of Intracranial Space Occupying Lesion (ICSOL), Hydatid disease is caused by the infestation of the larvae of Echinococcus. The definite hosts of Echinococcus are various carnivores, the common being the dog.. Humans get infected through the feco-oral route by ingestion of food contaminated by dog feces containing ova of the parasite or by direct contact with dogs. Brain involvement with Hydatid disease occurs in 1–2% of all Echinococcus granulosus infections.

Objective: Isolated cerebral Hydatid disease is a rare manifestation of it and discusses their mode of presentation, radiological features, operative procedure and outcome. The literature concerning isolated cerebral Hydatid disease is reviewed.

Method and material: Case series study, patient files.

Result: There were report 9 cases of successfully operated of Brain Hydatid Cyst from 2014 -2018.

In this report, we analyze nine cases of isolated cerebral Hydatid cysts in our two cases, radiological features and surgical approaches were different.

Patient chief complaint was: Headache 77%, Vomiting 35%, Convulsion 45%, Vision problem 30%, Motor deficit 50%, Dysphasia 19%, Sensory disturbances 33%.

Cyst localization: left side of Brain 63%, right side of Brain 37%
Sex: 8 female and 1 male

Operation: by local Anesthesia. Craniotomy and Dowling-Orlando technique 7 cysts completely removed and 2 cases ruptured, and reported later.

Anthelmintic medicine before and after operation continued by consultation of Internist.

Conclusion:

Brain involvement with Hydatid disease occurs in 1–2% of all Echinococcus Granolosis infections. Isolated cerebral Hydatid disease is a rare manifestation of it. In this report, we analyze nine cases of isolated cerebral Hydatid cysts and discuss their mode of presentation, radiological features, operative procedure and outcome. In our two cases, radiological features and surgical approaches were different from one another. The literature concerning isolated cerebral Hydatid disease is reviewed.

Biography

Dr. Ahmad Fawad Pirzad, born in Kabul, Afghanistan, raised and graduated in medicine from Kabul University of Medical Science (KUMS) and Post graduated from Residency Program: 1987-1995, currently working as a lecturer at the Neurosurgery Department of Kabul University of Medical Sciences (KUMS).