



## Differentiation and diagnosis of migrating cerebral sparganosis: 2 case reports from China

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### ABSTRACT

Human cerebral sparganosis is a rare but neglected parasitic disease. We present details of the diagnosis of two cases of migrating cerebral sparganosis from China based on computed tomography and magnetic resonance imaging combined with epidemiological information and serology. Its differential diagnosis from other parasitic diseases, tuberculoma and brain tumor by neuroimaging is briefly described.

### KEYWORDS

Chinese; Spirometra; Sparganosis; Cerebral Sparganosis; Diagnosis; Computed Tomography; Magnetic Resonance Imaging; Differentiation

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### References

- [1] Mueller, J.F. (1974) The biology of spiometra. *Journal of Parasitology*, 60, 3-14. doi: 10.2307/3278670
- [2] Li, M.W. and Song, H.Q. (2011) Sparganosis in mainland China. *International Journal of Infectious Diseases*, 15, e154-e156. doi: 10.1016/j.ijid.2010.10.001
- [3] Zhan, X.M. (2005) Human parasitology. People's Medical Publishing House, Beijing, 155-157. (in Chinese)
- [4] Lv, S., Zhang, Y., Steinmann, P., Zhou, X.N. and Utzinger, J. (2010) Helminth infections of the central nervous system occurring in Southeast Asia and the Far East. *Advances in Parasitology*, 72, 351-408. doi: 10.1016/S0065-308X(10)72012-1
- [5] Chang, K.H. and Han, M.H. (1998) MRI of CNS parasitic diseases. *Journal of Magnetic Resonance Imaging*, 8, 297-307. doi: 10.1002/jmri.1880080209
- [6] Kim, D.G., Paek, S.H. and Chang, K.H. (1996) Cerebral sparganosis: Clinical manifestations, treatment, and outcome. *Journal of Neurosurgery*, 85, 1066-1071. doi: 10.3171/jns.1996.85.6.1066
- [7] Chiu, C.H., Chiou, T.L., Hsu, Y.H. and Yen, P.S. (2010) MR spectroscopy and MR perfusion character of cerebral sparganosis: A case report. *British Journal of Radiology*, 83, e31-e34. doi: 10.1259/bjr/73038348
- [8] Ross, A.G., Sleigh, A.C., Li, Y., Davis, G.M., Williams, G.M., Jiang, Z., Feng, Z. and McManus, D.P. (2001) Schistosomiasis in the People's Republic of China: Prospects and challenges for the 21st century. *Clinical Microbiology Reviews*, 14, 270-295. doi: 10.1128/CMR.14.2.270-295.2001
- [9] Li, Y., Ross, A.G., Hou, X., Lou, Z. and McManus, D.P. (2011) Oriental schistosomiasis with neurological complications: Case report. *Annals of Clinical Microbiology and Antimicrobials*, 7, 1-5.

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- [10] Im, J.G., Chang, K.H. and Reeder, M.M. (1997) Current diagnostic imaging of pulmonary and cerebral paragonimiasis, with pathological correlation. *Seminars in Roentgenology*, 32, 301-324. doi:10.1016/S0037-198X(97)80024-7
- [11] Bükte, Y., Kemaloglu, S., Nazaroglu, H., Ozkan, U., Ceviz, A. and Simsek, M. (2004) Cerebral hydatid disease: CT and MR imaging findings. *Swiss Medical Weekly*, 134, 459-467.
- [12] Del Brutto, O.H., Rajshekhar, V. and White, A.C. Jr. (2001) Proposed diagnostic criteria for neurocysticercosis. *Neurology*, 57, 177-183. doi:10.1212/WNL.57.2.177
- [13] Ramsay, R.G. and Gerenia, G.K. (1988) CNS complications of AIDS: CT and MRI findings. *American Journal of Roentgenology*, 151, 449-454.
- [14] Gupta, R.K., Pandey, P., Khan, E.M., Mittal, P., Gujral, R.B. and Chhabra, D.K. (1993) Intracranial tuberculomas: MRI signal intensity correlation with histopathology and localized proton spectroscopy. *Magnetic Resonance Imaging*, 11, 443-449. doi:10.1016/0730-725X(93)90079-S
- [15] Ricard, D., Idbaih, A., Ducray, F., Lahutte, M., Hoang-Xuan, K. and Delattre, J.Y. (2012) Primary brain tumours in adults. *Lancet*, 379, 1984-1996. doi:10.1016/S0140-6736(11)61346-9
- [16] Yang, G.J., Gao, Q. and Zhou, S.S. (2010) Mapping and predicting malaria transmission in the People's Republic of China, using integrated biology-driven and statistical models. *Geospatial Health*, 5, 11-22.

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