Adolescent Neuroblastoma of Lower Limb

Rajeshwari, K and Dravid, NV and Goyal, N and Gadri, A and Pawar, S and Karibasappa, GN (2013) Adolescent Neuroblastoma of Lower Limb. [Journal (On-line/Unpaginated)]

Full text available as:

Abstract

Neuroblastoma is an embryonic tumour of neural crest origin, commonly seen in children with upper abdomen involvement. Rarely neuroblastomas present in adolescents and adults involving lower limb. Histopathologically neuroblastoma of lower limb can be confused with other small round cell tumour especially with Ewing's sarcoma and rhabdomyosarcoma. A 16 year old male presented with 15x11cm swelling, pain and multiple discharging sinuses of right leg since 4 months. Routine haematological and biochemical analysis were within normal limits. Radiology of right leg showed large soft tissue swelling encompassing the pathological fracture of tibia and bowing of fibula. Fine needle aspiration of the swelling revealed malignant small round cell tumour. Histopathology revealed poorly differentiated neuroblastoma of lower limb. The immunohistochemistry of Synaptophysin and Chromogranin were positive and CD 99 was negative. Neuroblastoma diagnosed at unusual site with uncommon age has poor prognosis. Hence, one must keep in mind the differential diagnosis of neuroblastoma as one of the differential diagnosis in evaluating the soft tissue tumours of lower limb.

Item Type:	Journal (On-line/Unpaginated)
Keywords:	Neuroblastoma; Adolescent; Lower limb
Subjects:	JOURNALS > Online Journal of Health and Allied Sciences
ID Code:	9143
Deposited By:	Kakkilaya Bevinje, Dr. Srinivas
Deposited On:	25 Feb 2014 12:40
Last Modified:	25 Feb 2014 12:40

References in Article

Select the SEEK icon to attempt to find the referenced article. If it does not appear to be in cogprints you will be forwarded to the paracite service. Poorly formated references will probably not work.

1. McLean TW, Iskandar SS, Shimada H, Hall MC. Neuroblastoma in an adult. Urology. 2004;64:1232.

2. Rubie H, Hartmann O, Michon J, et al. N-Myc gene amplification is a major prognostic factor in localized neuroblastoma: results of the French NBL 90 study. Neuroblastoma Study Group of the Societe Francaise d'Oncologie Pediatrique. J Clin Oncol. 1997;15:1171–1182.

3. Armstrong EA, Harwood-Nash DC, Ritz CR, et al. CT of neuroblastomas and ganglioneuromas in children. AJR. 1982;139:571–576.

4. Mackay B, Luna M A, Butler JJ. Adult Neuroblastoma. Cancer 1976;37:1334.

5. Enzinger FM, Weiss SW. Neuroepithelioma – peripheral neuroepithelioma (peripheral neuroblastoma). In Enzinger FM, Weiss SW. Soft tissue tumours. 2nd Edition. St. Louis, Washington. Mosby. 1988. p 806-809.

6. Feldman PS, Covell JL, Silverman JF et al. The diagnosis of neuroblastoma by fine needle aspiration cytology(Abstract). Acta Cytol 1985;29:950.

7. Conte M, De Bernardi B, Milanaccio C, Michelazzi A, Rizzo A, Montobbio G, et al. Malignant neuroblastic tumors in adolescents. Cancer Lett. 2005;228:271–274.

8. Conte M, Parodi S, De Bernardi B, Milanaccio C, Mazzocco K, Angelini P, et al. Neuroblastoma in adolescents: the Italian experience. Cancer. 2006;106:1409–1417.

9. Navid F, Armstrong M, Barfield RC. Immune therapies for neuroblastoma. Cancer Biol Ther. 2009;8:874–882.

10. Esiashvili N, Goodman M, Ward K, Marcus RB Jr, Johnstone PA. Neuroblastoma in adults: incidence and survival analysis based on SEER data. Pediatr Blood Cancer. 2007;49:41-46.

Metadata

- ASCII Citation
- Atom
- BibTeX
- Dublin Core
- EP3 XML
- EPrints Application Profile (experimental)
- EndNote
- HTML Citation
- ID Plus Text Citation
- JSON
- METS
- MODS
- MPEG-21 DIDL
- OpenURL ContextObject
- OpenURL ContextObject in Span
- RDF+N-Triples
- RDF+N3
- RDF+XML
- Refer
- Reference Manager
- Search Data Dump
- Simple Metadata
- YAML