

Small Round Blue Cell Tumors, management dilemma. A case report on Alveolar Rhabdomyosarcoma in a four year old child

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Abstract

Rhabdomyosarcoma is one of the small round blue cell tumors, and though rare, it is the most common soft tissue sarcoma in children. Similar microscopic appearance and similar histochemistry makes differentiation and diagnosis very difficult in these lesions. Here we report a case of a 4 year old boy, who presented with an abdominal mass. Initial investigations confirmed presence of heterogeneously enhancing pelvic mass with no metastasis or local extension. It was confirmed to be Rhabdomyosarcoma on ultrasound guided biopsies, though further differentiation was not possible. Patient responded well to initial treatment in the form neo adjuvant chemotherapy with significant reduction in size of tumor. After subsequent surgical resection, the child had a relapse of disease while he was still on adjuvant chemotherapy. The aim to report this case is to highlight the problems associated with diagnosis and management of this rare disease.

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Biography:

Abeera Mehmood is a PhD, professor from Yusra Institute of Pharmaceutical Sciences (YIPS), Islamabad, Pakistan and recently submitted case report of a rare malignancy in children based on the title small round blue cell tumors, management dilemma: A case report on Alveolar Rhabdomyosarcoma in a four year old child. Her research interest focuses on malignancy, rhabdomyosarcoma and cell tumour.

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