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Renal thrombotic micro-angiopathy associated with chemotherapy naive astrocytoma

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Cancer associated thrombotic micro-angiopathy (TMA) is a devastating event in cancer patients. Cancer associated TMA occurs either in advanced stages of cancer associated with chemotherapeutic drug use or in transplant setting. Non-chemotherapy associated TMA is mainly seen in the late stage metastasized carcinomas, predominantly adenocarcinomas, often with bone marrow infiltration. The occurrence of TMA in association with metastatic cancer portends worse prognosis. The TMA however responds to antitumor therapy. Plasma exchange, the treatment of choice for TMAs of other etiologies is of questionable benefit. No reported cases of occurrence of TMA in association with astrocytoma till date. Only chemotherapy associated TMAs in glioma following use of Bavacizumab and Aflibercept are reported. We report a case of chemotherapy naive astrocytoma presenting with TMA. There was complete resolution of TMA with normalization of serum creatinine upon surgical resection of the tumor. This emphasizes the importance of antitumor therapies in cancer associated TMAs rather than plasma exchange and immune-adsorption.

Biography

Susmitha Chandragiri is currently a Post-graduate student in Nephrology at Nizam's Institute of Medical Sciences, Hyderabad, India.

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