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## The role of radiotherapy and microwave ablation in a rare case of inoperable Lymphangioma of the mediastinum

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A 36 year old male presented with complaints of severe dyspnea, left sided chest pain and anemia. On evaluation, CT Chest revealed a large well defined mild enhancing mass in the mediastinum on the left side with moderate pleural effusion requiring intercostal drainage tube. CT guided trucut biopsy showed an angiomatous lesion suggestive of lymphangioma. The lesion was deemed inoperable as it was encasing the arch of aorta, Left subclavian and the Left pulmonary artery. In view of symptomatic progression and deterioration of the patient, external beam radiotherapy was considered and he received 30 Gy in 10 fractions using conventional technique. Patient persisted to deteriorate and underwent CT guided microwave ablation of the mediastinal mass from 4 points of entry. Following the procedure the patient symptomatically improved and was hemodynamically stable. Reassessment CT done at 4 months and 11 months showed significant regression of the lesion and the pleural effusion. Lymphangiomas are rare benign neoplasms that occur within the second year of life. Adult lymphangiomas are rare and mediastinal lymphangiomas are uncommon. Although surgical excision remains the mainstay of managing. Lymphangiomas, other forms of local therapy such as radiotherapy, microwave ablation or a combination of both may be used in case of inoperable or recurrent Lymphangiomas.

### Biography

Ritesh J.M. Santosham completed his M.B.B.S at Sri Ramachandra University, Porur, Chennai in 2013 following which he joined Cancer Institute Adyar in 2014 and completed M.D in Radiation oncology in 2017. He has presented several papers at national level conferences with keen interest in thoracic oncology and advanced techniques in radiotherapy.

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