

Supplementary Materials

Table S1. Cases of Children with IMT of the Upper Airway in the Literature.

<i>References (year)</i>	<i>Patient (gender and age)</i>	<i>Localization</i>	<i>Hystological assessment</i>	<i>Immuno Isto chemistry</i>	<i>Treatment</i>	<i>Follow-up (time)</i>
<i>Zapatero et al(1989)¹¹</i>	M, 6 y	Endotracheal	Inflammatory pleomorphic cellular proliferation with intermixed lymphocytes, plasma cells, fibroblasts, and capillary neoformation	NR	Surgical resection	CR (8 y)
<i>Aijaz et al(1994)¹²</i>	M, 8 y	Endotracheal	Spindle cells with plasma cells, histiocytes, foamy macrophages, neutrophils, and some eosinophils	Vimentin +, desmine focal +, ALK NR	Surgical resection	CR (NR)
<i>Storck et al (1995)¹³</i>	F, 16 y	Right main bronchus	Spindle cells with an inflammatory cell infiltrate	NR	Sleeve resection	CR (8 y)
<i>Denwar et al(1997)¹⁴</i>	M, 10 m	Endotracheal	Proliferation of spindle cells (myoblasts and fibroblasts) and inflammatory cell infiltrate	NR	Surgical resection	NR
<i>Bumber et al(2001)¹⁵</i>	M, 14 y	Endotracheal	Areas of spindle cells sparkled with inflammatory cells	Vimentin ++, SMA +/-, ALK NR	Surgical resection and CO ₂ laser	CR (1 y)

<i>Chan et al(2003)¹⁶</i>	F, 7 y	Right main bronchus	Fibrous tissue with areas of necrosis, lymphocytic infiltration, and plasma cells	NR	Biopsy and COX2-Inhibitor	CR (8 m)
<i>Hoseok et al(2005)¹⁷</i>	M, 4 y	Carina and left main bronchus	Proliferation of spindle-shaped fibroblasts and myofibroblasts arrayed in fascicles with some storiform architecture	SMA +, vimentin +, ALK NR	Surgical resection with carinal reconstruction	CR (3 m)
<i>Sinvadan et al(2007)¹⁸</i>	F, 9 y	Endotracheal	Sprinkling lymphocytes and spindle cells	SMA, vimentine +; ALK NR	Surgical resection	CR (NR); tracheostomy for subglottic stenosis
<i>Venizelos et al(2008)¹⁹</i>	M, 13 y	Endotracheal	Spindle-shaped cells with ovoid nuclei, sparse chromatin, and eosinophilic cytoplasm	Vimentine and ALK +	Surgical resection	CR (6 m)
<i>Breen et al(2008)²⁰</i>	F, 11 y	Left main bronchus	Fusiform components, inflammatory cells, and bronchial gland	NR	Surgical resection	CR (3 y)
<i>Lizarbe et al(2009)²¹</i>	M, 8 y	Paratracheal	Myxoid areas with fibroblast cells, epithelioid cells, and histiocytes mixed with inflammatory cells	Vimentine +, desmina, SMA, ALK -	Surgical resection	PD

NR: Not Reported. CR: Complete Remission

<i>Ochs et al(2010)</i> ²²	F, 5 y	Left main bronchus	Spindle cells with a palisading pattern (arrow) and admixed leukocytes	NR	Endobronchial resection	CR (3 y)
<i>Sacco et al (2010)</i> ²³	F, 6 y	Paratracheal	Spindle cells surrounded by a collagenous stroma	Vimentin +, SMA + (focal), EMA + Clusterin +/- ALK -	Subtotal resection + low-dose CT (vinblastine + MTX)	PR (16 months)
<i>Brodie et al (2011)</i> ²⁴	F, 11 y	Endotracheal	Spindle cells with inflammatory background	ALK -	Surgery of the bulk mass and laser	CR (2 y)
	F, 15 y	Left main bronchus	EMA +, dense spindle cell proliferation	ALK +	Sleeve resection of the left mainstem bronchus	CR (3 y)
<i>El-Desoky et al(2013)</i> ²⁵	F, 9 y	Left main bronchus	Spindle cells with mild atypia	EMA+, Vimentina +, SMA+ ALK NR	Left lobe Lobectomy	CR (NR)