

Info	
Deep cervical fascias	<ul style="list-style-type: none"> <li>-investing layer (most SF, surrounding the other 4 muscles)</li> <li>-preTracheal layer</li> <li>-preVertbral layer</li> </ul> <hr/> carotid sheath (not a big one so doesn't count, but exist): (containing CCA, jagular vein & vagus N)

Thyroid	
Anat	<ul style="list-style-type: none"> <li>-butterfly, 2 lobes with isthmus in between</li> <li>-isthmus is over 2-4 tracheal rings</li> <li>-each lobe. <u>Apex upward at oblige line of thyroid cartilage &amp; base at 4<sup>th</sup> tracheal ring</u></li> </ul>
Fascia	-its covered by pretracheal fascia & another capsule deep to it, so 2 layers
The 3 <sup>rd</sup> lobe	<ul style="list-style-type: none"> <li>-present in 50% of world's population</li> <li>-pyramidal shape</li> <li>-projects from upper border of isthmus, slightly to the left</li> <li>-connected to <u>hyoid bone</u> by <u>levator glandule thyroidea</u> (a muscular-fibrotic band)</li> <li>-origin: thyroglossal duct</li> </ul>
Relation	<p><b>A</b>L (the 4 <u>S</u> group muscles)</p> <ul style="list-style-type: none"> <li>-<u>S</u>ternohyoid    -<u>S</u>ternothyroid    -<u>S</u>ternomastoid</li> <li>-<u>S</u>. belly of omohyoid</li> </ul> <p><b>P</b></p> Carotid sheath (CCA, J, V) <p><b>M</b></p> (S.lly): larynx & pharynx (I.lly): trachea & eso, recurrent laryngeal N & external laryngeal N, cricothyroid muscle.
On P. surface	<ul style="list-style-type: none"> <li>-all paraT glands</li> <li>-anastomosis of <u>S.</u> &amp; <u>I.</u> thyroid arteries</li> </ul>

Blood supply	<p><b>S. thyroid artery</b>          -is branch of ECA          -descends to the gland along <u>external laryngeal N</u>          -both <u>Rt &amp; Lt</u> anastomose in the upper border of isthmus</p> <p><b>I. thyroid artery</b>          -is branch of thyrocervical artery (1<sup>st</sup> branch of subclavial artery)          -ascends to the gland along <u>recurrent laryngeal N</u>          -ascends to cricoid cartilage → curves M.lly behind carotid sheath          → reaches P. of the gland</p> <p><b>Thyroid ima artery</b>          -present in 50% of word's population          -branch of <u>aortic arch</u> or <u>brachiocephalic artery</u>          -ascends A. to trachea and reaches isthmus</p>
Venous drainage	<p><b>S. thyroid vein</b> (branch of internal jugular vein)  <b>Md. thyroid vein</b> (branch of internal jugular vein)  <b>I. thyroid vein</b> (branch of left brachiocephalic vein)</p>
Lymphs	Deep cervical & paratracheal lymph nodes

ParaT	
Anat	-small & round - 2 S. (in the middle/center of P. border of thyroid gland) - 2 I. (at I. of thyroid gland )
Site	In between the 2 layers surrounding thyroid gland
Anomalies	-found inside thyroid tissue or outside the whole fascias
BVL	All their blood, venous, lymph are the same as thyroid
Nerve S.	<u>S. &amp; Md.</u> Cervical sympathetic ganglia