

# Longus colli cervicis

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# 1 OIAN

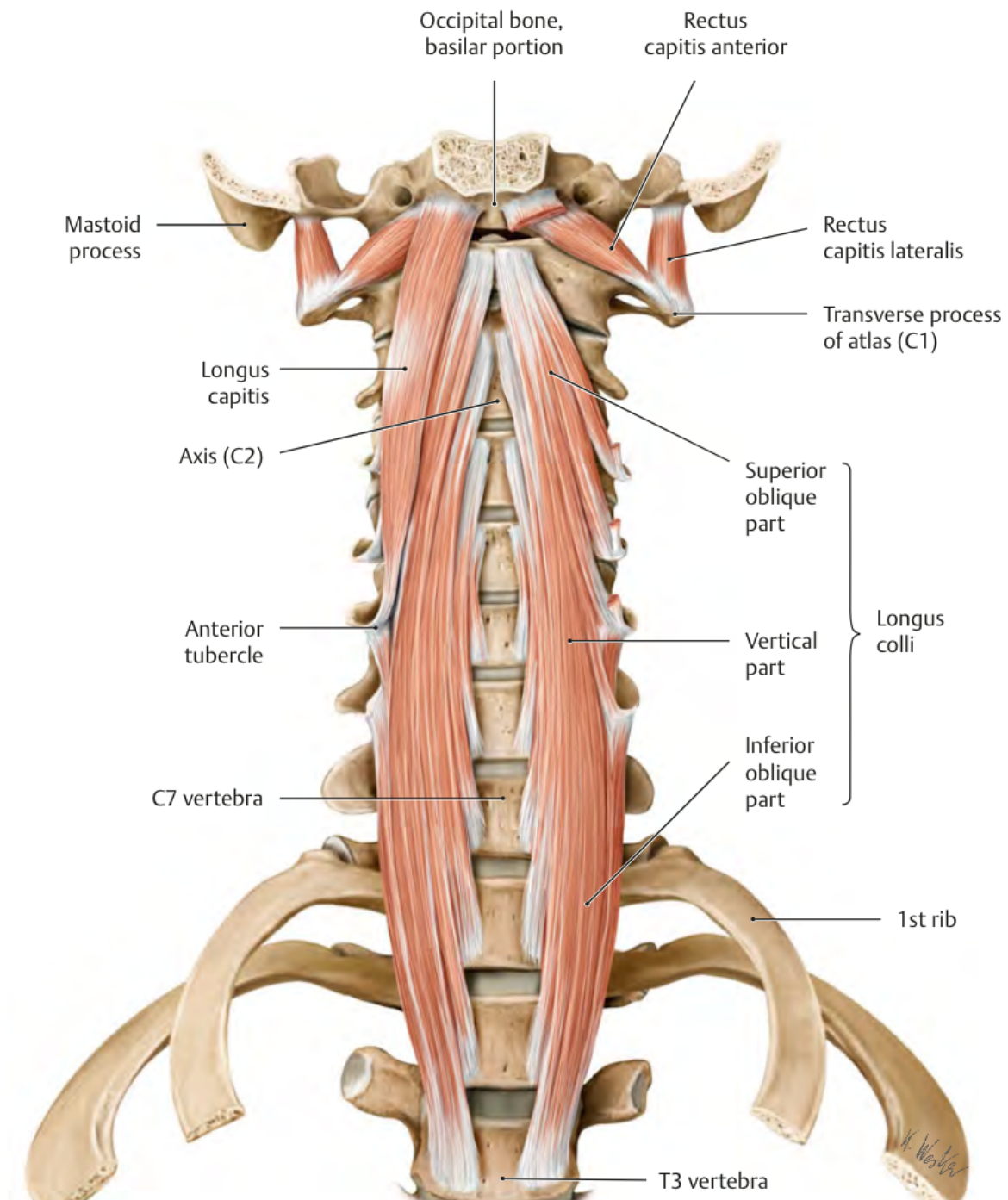


Figure 1: Prevertebral muscles anterior view<sup>1</sup>

Muscle	Origin	Insertion	Nerve	Action
<a href="#">Longus colli cervicis</a>	<b>Vertical part:</b> C5-T3 (ant side of vertebral body); <b>Sup-oblique</b> C3-C5 (TP, Ant tubercle) <b>Inf-Oblique:</b> T1-T3 (ant side of vertebral body)	<b>Vertical part:</b> C2-C4 (ant sides of vertebral bodies); <b>Sup-oblique</b> C1 (TP, ant tubercle) <b>Inf-Oblique:</b> C5-C6 (TP, Ant tubercles)	Direct branches from cervical plexus (C2-C6)	<b>BIL:</b> Flex AO Joint; <b>UNIL:</b> Lat flex at AO joint

Muscle	Origin	Insertion	Nerve	Action
<a href="#">Longus colli cervicis</a> (Vertical Part)	C5-T3 (ant side of vertebral body) <sup>1</sup>	Occipital bone (basilar part)	Direct branches from cervical plexus (C2-C6)	Bilaterally flexes AO Joint; Unilaterally flexes and slight I/L rotation
<a href="#">Longus colli cervicis</a> (Superior Oblique part)	C3-C5 (TP, Ant tubercle) <sup>1</sup>	Superior oblique part: C1 (TP, ant tubercle) <sup>1</sup>		
<a href="#">Longus colli cervicis</a> (Inferior Oblique Part)	T1-T3 (ant side of vertebral body) <sup>1</sup>	Inferior oblique part: C5-C6 (TP, Ant tubercles) <sup>1</sup>		

## 1.1 Origin

- C5-T3 (ant side of vertebral body)<sup>1</sup>
- C3-C5 (TP, Ant tubercle)<sup>1</sup>
- T1-T3 (ant side of vertebral body)<sup>1</sup>

## 1.2 Insertion

Vertical (medial) part: C2-C4 (ant sides of vertebral bodies)<sup>1</sup> Superior oblique part: C1 (TP, ant tubercle)<sup>1</sup> Inferior oblique part: C5-C6 (TP, Ant tubercles)<sup>1</sup>

### 1.3 Innervation

Direct branches from cervical plexus (C2-C6)<sup>1</sup>

### 1.4 Action

- **Bilateral:** Flex AO Joint
- **Unilateral:** Lat flex at AO joint

## 2 Muscle groups

Longus colli cervicis is part of the [prevertebral muscle group](#)<sup>1</sup>.

## 3 Palpation

### Clinical significance

1. Gilroy AM, MacPherson BR, Wikenheiser JC, Voll MM, Wesker K, Schünke M, eds. *Atlas of Anatomy*. 4th ed. Thieme; 2020.