

Longissimus Muscle

Nathaniel Yomogida, SPT

Chloë Kerstein, SPT

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1 OIAN

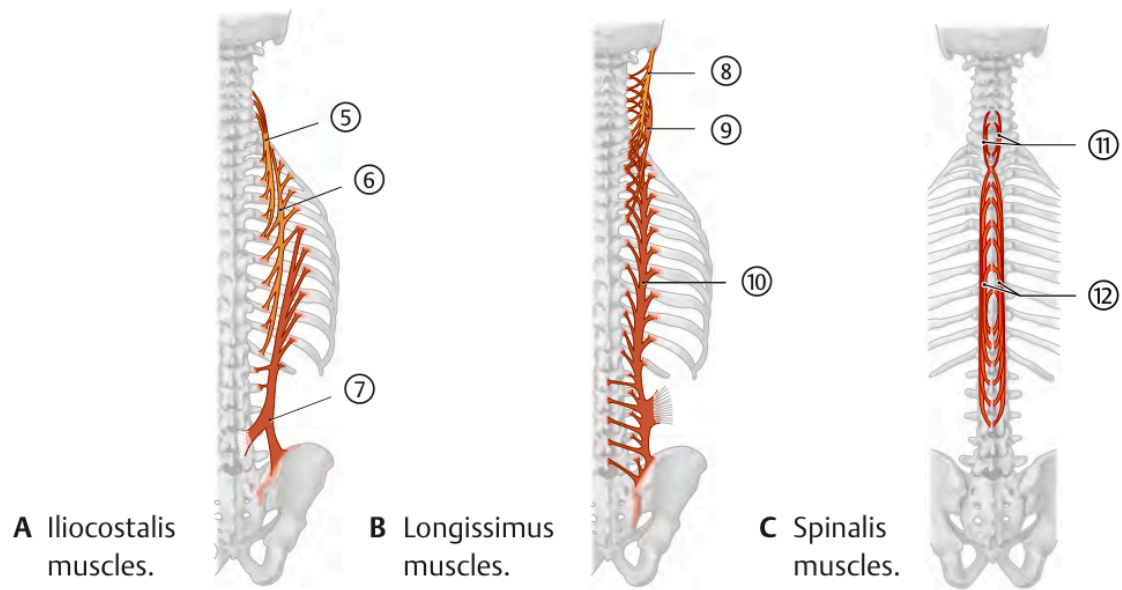


Figure 1: Schematic view of the intermediate intrinsic muscles of the back (Erector spinae)¹

Table 1: Longissimus OIAN

Muscle	Origin	Insertion	Nerve	Action
Longissimus Capitis	T1-T3 (TP), C4-C7 (TP & articular process)	Temporal bone (Mastoid process)	Spinal nn. C1-L5 (Post rami, lateral branches)	BIL: Extends head; UNIL: Flexes and I/L rotation
Longissimus Cervicis	T1-T6 (TP)	C2-C5 (TP)	Spinal nn. C1-L5 (Post rami, lateral branches)	BIL: Extends spine; UNIL: I/L SB
Longissimus Thoracis	Sacrum; Iliac crest; Lumbar vertebrae (SP); Lower thoracic vertebrae (TP)	2nd-12th ribs; Thoracic & Lumbar vertebrae (TP)	Spinal nn. C1-L5 (Post rami, lateral branches)	BIL: Extends spine; UNIL: I/L SB

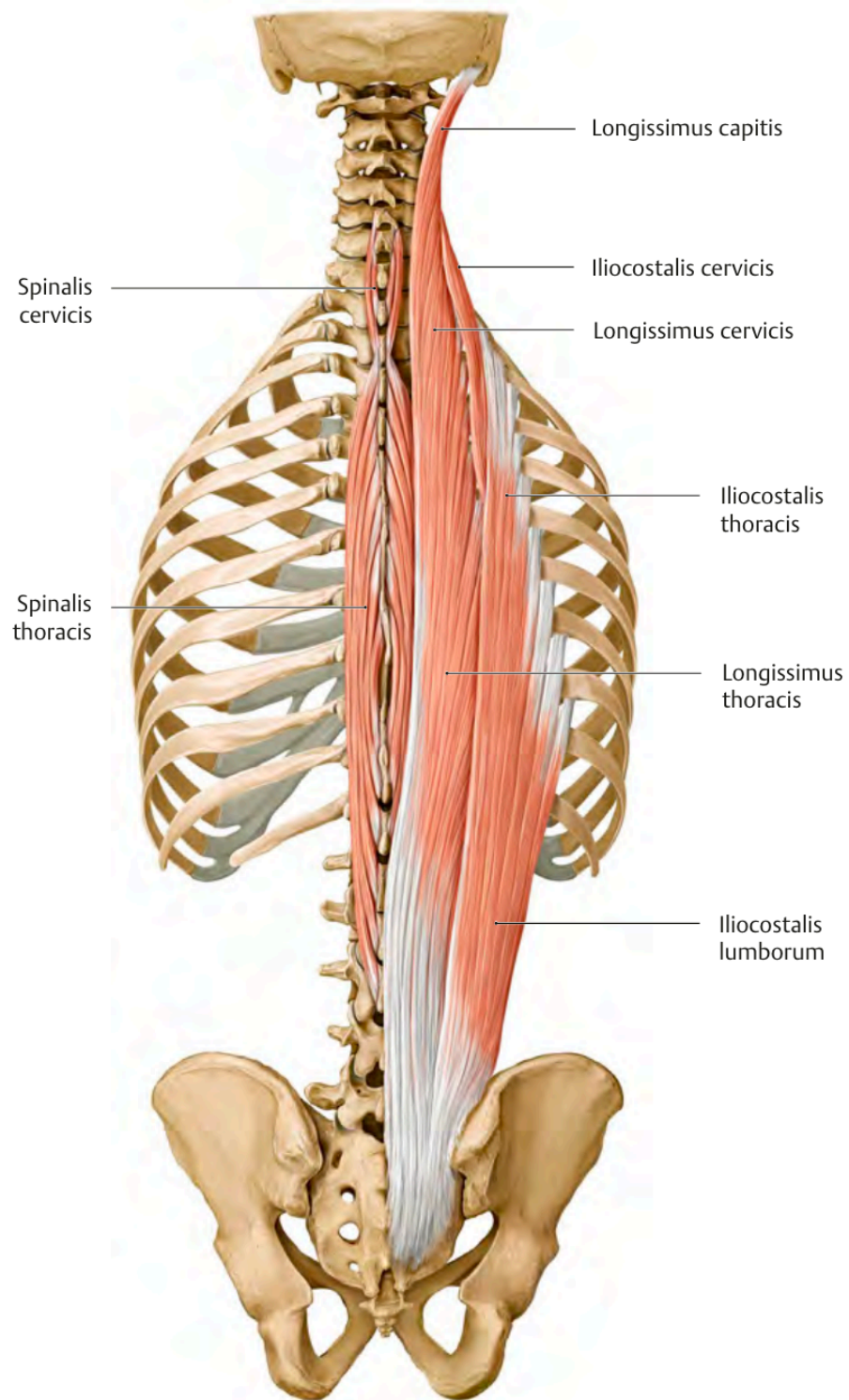


Figure 2: Intermediate intrinsic muscles of the back / Erector spinae (Posterior view)¹

2 Longissimus Capitis

2.1 Origin

T1-T3 (TP), C4-C7 (TP & articular process)¹

2.2 Insertion

Temporal bone (Mastoid process)

2.3 Innervation

Spinal nn. C1-L5 (Posterior Rami, lateral branches)¹

2.4 Action

- BIL: Extends head¹
- UNIL: Flexes and I/L rotation¹

3 Longissimus Cervicis

3.1 Origin

T1-T6 (TP)¹

3.2 Insertion

C2-C5 (TP)¹

3.3 Innervation

Spinal nn. C1-L5 (Posterior Rami, lateral branches)¹

3.4 Action

- BIL: Extends spine¹
- UNIL: I/L SB¹

4 Longissimus Thoracis

4.1 Origin

Sacrum; Iliac crest; Lumbar vertebrae (SP); Lower thoracic vertebrae (TP)¹

4.2 Insertion

2nd-12th ribs; Thoracic & Lumbar vertebrae (TP)¹

4.3 Innervation

Spinal nn. C1-L5 (Posterior Rami, lateral branches)¹

4.4 Action

- BIL: Extends spine¹
 - UNIL: I/L SB¹
1. Gilroy AM, MacPherson BR, Wikenheiser JC, Voll MM, Wesker K, Schünke M, eds. *Atlas of Anatomy*. 4th ed. Thieme; 2020.