

Semispinalis Muscle

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1 OIAN

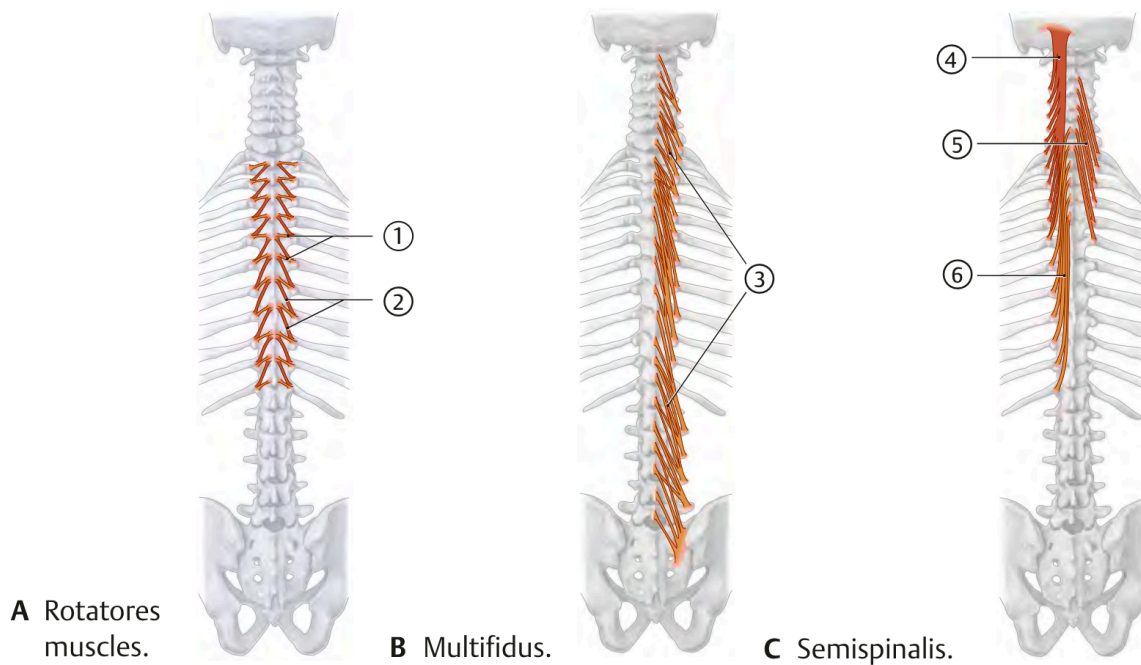


Figure 1: Schematic, posterior view of the transversospinalis muscles¹

Table 1: Semispinalis Muscle OIAN

Muscle	Origin	Insertion	Nerve	Action
Semispinalis Capitis	C4-T7 (TP and Articular process)	Occipital bone (between superior and inferior nuchal lines)	Spinal nn. (Posterior Rami)	BIL: Extends thoracic and cervical spines and head (stabilizes craniovertebral jt); UNIL: I/L SB of head, cervical, and thoracic spine; C/L Rotation

Muscle	Origin	Insertion	Nerve	Action
Semispinalis Cervicis	T1-T6 (TP)	C2-C5 (SP)	Spinal nn. (Posterior Rami)	BIL: Extends thoracic and cervical spines and head (stabilizes craniovertebral jt); UNIL: I/L SB of head, cervical, and thoracic spine; C/L Rotation
Semispinalis Thoracis	T6-T12 (TP)	C6-T4 (SP)	Spinal nn. (Posterior Rami)	BIL: Extends thoracic and cervical spines and head (stabilizes craniovertebral jt); UNIL: I/L SB of head, cervical, and thoracic spine; C/L Rotation

2 Semispinalis Capitis OIAN

2.1 Origin

C4-T7 (TP and Articular process)¹

2.2 Insertion

Occipital bone (between superior and inferior nuchal lines)¹

2.3 Innervation

[Spinal nn. \(Posterior Rami\)](#)¹

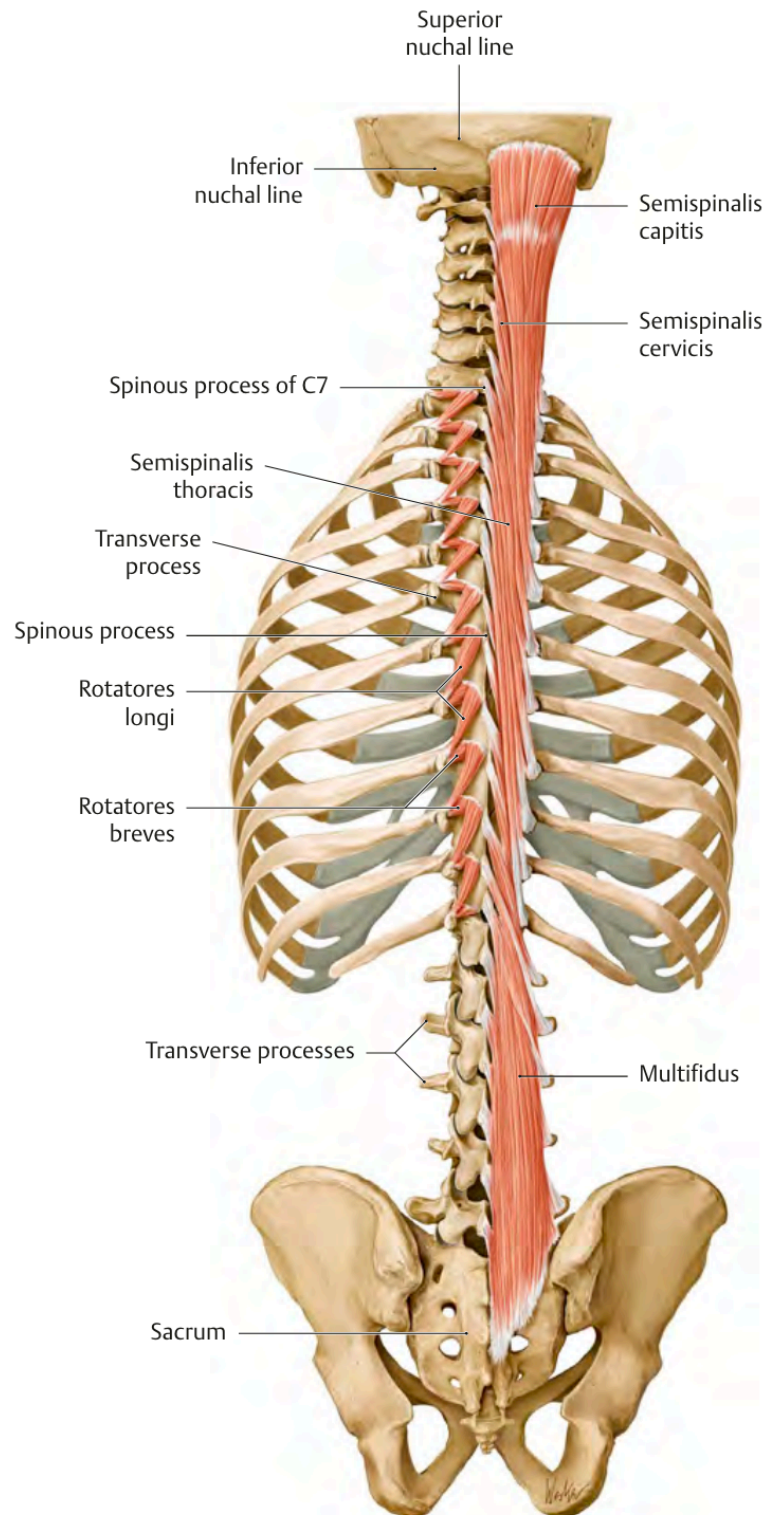


Figure 2: Posterior view of the Transversospinalis muscles¹

2.4 Action

- **BIL:** Extends thoracic and cervical spines and head (stabilizes craniovertebral jt)¹
- **UNIL:** I/L SB of head, cervical, and thoracic spine; C/L Rotation¹

3 Semispinalis Cervicis OIAN

3.1 Origin

T1-T6 (TP)¹

3.2 Insertion

C2-C5 (SP)¹

3.3 Innervation

Spinal nn. (Posterior Rami)¹

3.4 Action

- **BIL:** Extends thoracic and cervical spines and head (stabilizes craniovertebral jt)¹
- **UNIL:** I/L SB of head, cervical, and thoracic spine; C/L Rotation¹

4 Semispinalis Thoracis OIAN

4.1 Origin

T6-T12 (TP)¹

4.2 Insertion

C6-T4 (SP)¹

4.3 Innervation

Spinal nn. (Posterior Rami)¹

4.4 Action

- **BIL:** Extends thoracic and cervical spines and head (stabilizes craniovertebral jt)¹
 - **UNIL:** I/L SB of head, cervical, and thoracic spine; C/L Rotation¹
1. Gilroy AM, MacPherson BR, Wikenheiser JC, Voll MM, Wesker K, Schünke M, eds. *Atlas of Anatomy*. 4th ed. Thieme; 2020.