

Rotatores Muscle

Nathaniel Yomogida, SPT

Chloë Kerstein, SPT

Table of contents

1	OIAN	1
2	Rotatores Breves	2
2.1	Origin	2
2.2	Insertion	2
2.3	Innervation	2
2.4	Action	2
3	Rotatores Longi	4
3.1	Origin	4
3.2	Insertion	4
3.3	Innervation	4
3.4	Action	4

1 OIAN

Table 1: Rotatores muscle OIAN

Muscle	Origin	Insertion	Nerve	Action
Rotatores Breves	T1-T12 TP of lower vertebrae	T1-T12: SP of adjacent vertebrae	Spinal nn. (Posterior Rami)	BIL: Extends T/S; UNIL: C/L Rotation of T/S
Rotatores Longi	T1-T12 TP of lower vertebrae	T1-T12: SP of vertebrae 2 above (it skips a vertebrae)	Spinal nn. (Posterior Rami)	BIL: Extends T/S; UNIL: C/L Rotation of T/S

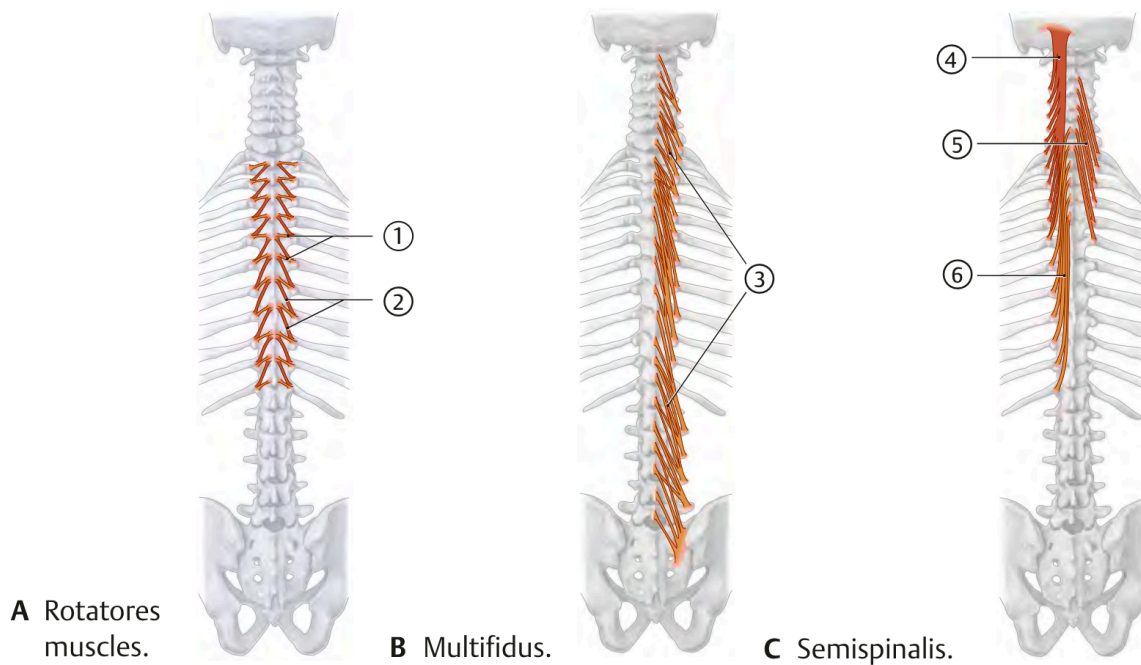


Figure 1: Schematic, posterior view of the transversospinalis muscles¹

2 Rotatores Breves

2.1 Origin

T1-T12 TP of lower vertebrae¹

2.2 Insertion

T1-T12: SP of adjacent vertebrae¹

2.3 Innervation

Spinal nn. (Posterior Rami)¹

2.4 Action

- **BIL:** Extends T/S¹
- **UNIL:** C/L Rotation of T/S¹

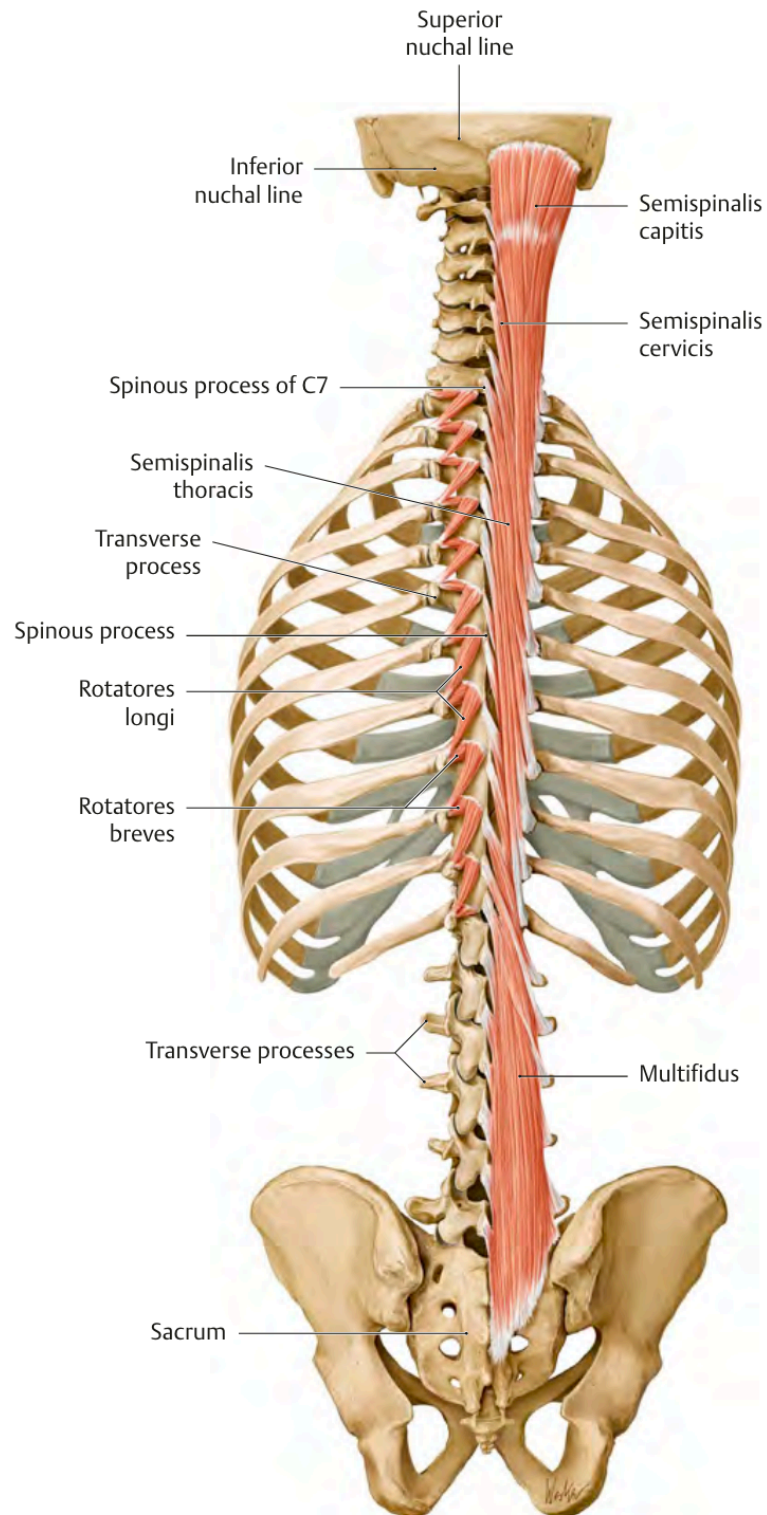


Figure 2: Posterior view of the Transversospinalis muscles¹

3 Rotatores Longi

3.1 Origin

T1-T12 TP of lower vertebrae¹

3.2 Insertion

T1-T12: SP of vertebrae 2 above (it skips a vertebrae)¹

3.3 Innervation

Spinal nn. (Posterior Rami)¹

3.4 Action

- **BIL:** Extends T/S¹
- **UNIL:** C/L Rotation of T/S¹

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