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Bilateral scapular kinematics, asymmetries and shoulder pain in wheelchair athletes**Running head:** Shoulder pain in wheelchair athletes

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Abstract/manuscript word count: 247/2800**Tables/Figures:** 3/3**Highlights:**

- Scapular asymmetries exist during wheelchair propulsion
- Propulsion speed does not alter scapula orientation in trained wheelchair users
- Limited associations between propulsion kinematics and pain in wheelchair athletes

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