

## **Abstract**

**Title:** Anthropometrical, physiological, strength and other determinants of rowing performance - review of correlation-predictive analyses

**Objectives:** To conduct a systematic literature review to search for a best single performance variable(s) (a measure of performance) that is(are) associated with rowing performance.

**Methods:** This thesis utilizes usual review methods in a form of database search, synthesis, and data extraction.

**Results:** After the initial screening of 534 articles the total of 24 articles was included in this thesis for review. We identified 11 performance variables with high coefficient of correlation; Body Mass (kg), Lean Mass (kg), VO2Max (L/min), Power at VO2Max (W), Power at 4mml (W), Body Height (cm), Wingate mean (W), Wingate maximal (W), Wingate minimal (W), Leg Press 1RM (kg), and 2000m rowing ergometer score.

**Keywords:** rowing, performance analysis, correlation, performance prediction, review