

PUBLICATIONS

Papers in international journals

Schneider SM, Amonette WE, Blazine K, Bentley J, Lee SM, Loehr JA, Moore Jr. AD, Rapley M, **Mulder ER**, Smith SM. Training with the International Space Station interim resistive exercise device. *Medicine & Science in Sports & Exercise* 2003; 35: 1935-1945.

Stegeman DF, **Mulder ER**, Gerrits KH, Rittweger J, Felsenberg D, de Haan A. Peripherally and centrally induced electromyographic changes in 8 weeks of horizontal bed rest with and without resistance exercise with concurrent whole body vibration. *Journal of Gravitational Physiology* 2005; 12: 111-112.

Mulder ER, Stegeman DF, Gerrits KH, Rittweger J, Felsenberg D, de Haan A. Resistance exercise with concurrent whole body vibration preserves isometric knee extension strength during 8 weeks of horizontal bed rest. *Journal of Gravitational Physiology* 2005; 12: 155-156.

Mulder ER, Stegeman DF, Gerrits KH, Paalman MI, Rittweger J, Felsenberg D, de Haan A. Strength, size and activation of knee extensors followed during 8 weeks of horizontal bed rest and the influence of a countermeasure. *European Journal of Applied Physiology* 2006; 97: 706-715.

Rittweger J, Belavy D, Hunek P, Gast U, Boerst H, Feilcke B, Armbrecht G, **Mulder ER**, Schubert H, Richardson C, de Haan A, Stegeman DF, Schiessl H, Felsenberg D. Highly demanding resistive vibration exercise program is tolerated during 56 days of strict bed-rest. *International Journal of Sports Medicine* 2006; 27: 553-559.

Mulder ER, Gerrits KH, Kleine BU, Rittweger J, Felsenberg D, de Haan A, Stegeman DF. High-density surface EMG study on the time course of central nervous and peripheral neuromuscular changes during 8 weeks of bed rest with or without resistive vibration exercise. *Journal of Electromyography & Kinesiology*. In press.

Mulder ER, Kuebler WM, Gerrits KH, Rittweger J, Felsenberg D, Stegeman DF, de Haan A. Knee extensor fatigability after 8 weeks of bed rest with and without countermeasure. *Muscle & Nerve*. Under revision prior to acceptance.

Mulder ER, Gerrits KH, Rittweger J, Felsenberg D, Stegeman DF, de Haan A. Characteristics of fast voluntary and electrically evoked isometric knee extensions during 56 days of bed rest with and without countermeasure. Submitted.