

Evaluation of Changes in Hydration and Body Cell Mass with Bioelectrical Impedance Analysis after Exercise Program for Rheumatoid Arthritis Patients

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jove.com/video/65692

Materials

Name	Company	Catalog Number	Comments
Alcohol 70% swabs	NA	NA	Any brand can be used
bicycle ergometer	NA	NA	Any brand can be used
BIVA tolerance software 2002	NA	NA	Is a software created for academic use, can be download in http://www.renalgate.it/formule_calcolatori/bioimpedenza.htm in "LE FORMULE DEL Prof. Piccoli" section
BIVA confidence software	NA	NA	Is a software created for academic use, can be download in http://www.renalgate.it/formule_calcolatori/bioimpedenza.htm in "LE FORMULE DEL Prof. Piccoli" section
Chair	NA	NA	Any brand can be used
Chlorhexidine	NA	NA	Any brand can be used, 0.05%
Examination table	NA	NA	Any brand can be used
Leadwires square socket	BodyStat	SQ-WIRES	
Long Bodystat 0525 electrodes	BodyStat	BS-EL4000	
Plastic ball	NA	NA	Any brand can be used, 30 cm
Pulse oximeter	NA	NA	Any brand can be used
Quadscan 4000 equipment	BodyStat	BS-4000	Impedance measuring range: 20 - 1300 Ω ohms Test Current: 620 μ A Frequency: 5, 50, 100, 200 kHz Accuracy: Impedance 5 kHz: +/- 2 Ω Impedance 50 kHz: +/- 2 Ω Impedance 100 kHz: +/- 3 Ω Impedance 200 kHz: +/- 3 Ω Resistance 50 kHz: +/- 2 Ω Reactance 50 kHz: +/- 1 Ω

			Phase Angle 50 kHz: +/- 0.2° Calibration: A resistor is supplied for independent verification from time to time. The impedance value should read between 496 and 503 Ω.
Resistance bands	NA	NA	Any brand can be used, with resistance of 0.5 kg to 3.2 kg
Stationary bicycle	NA	NA	Any brand can be used
Treadmill	NA	NA	Any brand can be used
Wooden stick	NA	NA	Any brand can be used, 1.5m in large and <1kg