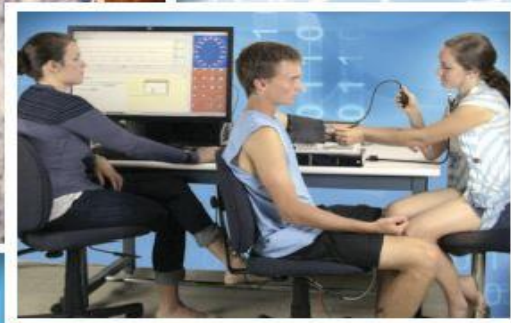
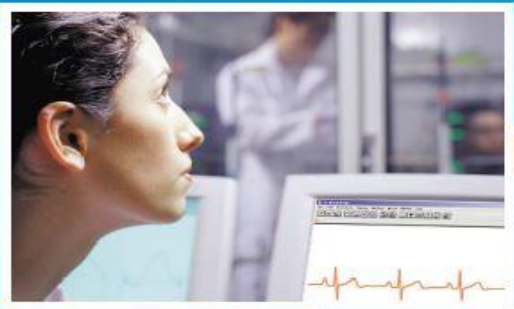


BOPAC



BIOPAC
Systems, Inc.
Registered to ISO 9001:2008

*Inspiring people and
enabling discovery about life*

How to get Great Electromyography (EMG) Data

Alex Dimov
BIOPAC Systems, Inc.



Live EMG Data

Getting Great Data

Setup

**Hardware System
Options**

Participant setup

Analysis

Software setup

Analysis

Q and A

Hardware System Options

Systems for Human Participants-Wired



Systems for Human Participants- Wireless



Mobita



BioNomadix Wireless

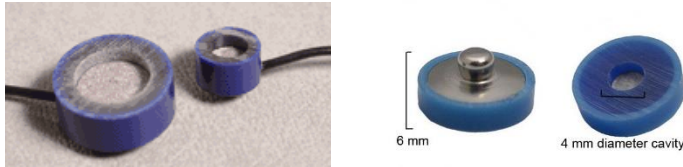


BioNomadix Logger

Systems for Human Participants

Electrodes

Reusable:



Active:



Disposable:



Leads



Systems for Animal Subjects

Acute:



MP160 System

Chronic:



EPOCH System

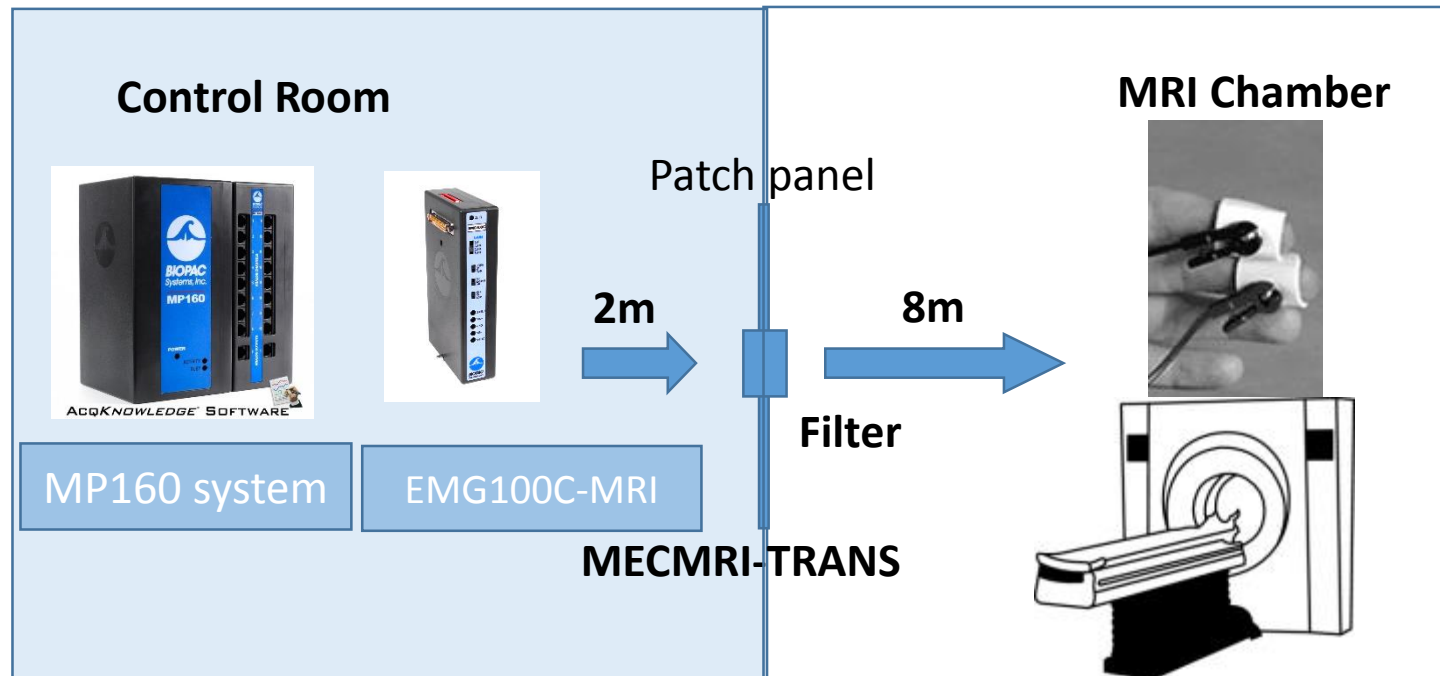


STELLAR license for AcqKnowledge

Systems for use in MRI environment

Hardware Components

MP160 - MRI



Components:

Amplifier: EMG100C-MRI,
Cables and filter: MECMRI-TRANS
Leads: 3xLEAD108B
Electrodes : EL508, EL510

Participant preparation

How to get great EMG Data

Participant Setup

Clean, no alcohol

Abrade

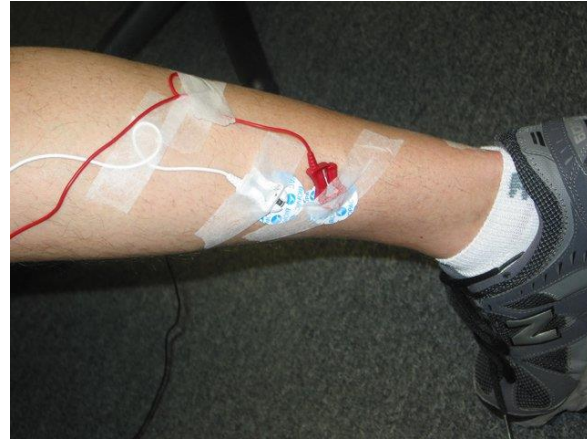
Apply fresh
electrodes/GEL

Wait 10 mins

Check impedance

Tape loops

Placement



For Today's Presentation

MP160 – EMG100C



MP160



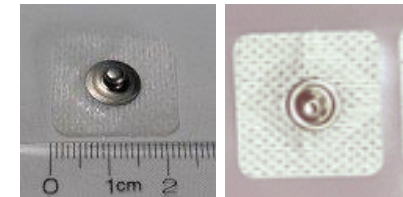
EMG100C

Disposable:

EL503

MEC110C

LEAD110-series



Hardware Setup – Amplifier settings



Hardware Setup

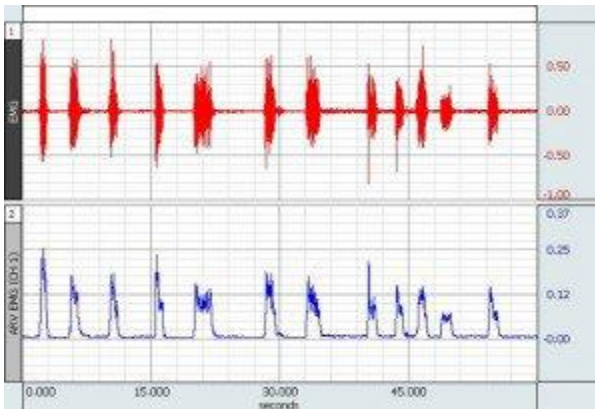
Gain

Filters

Grounding

CBL205

Environment



Software Setup & Analysis

How to get great EMG Data



References:

Fridlund Alan J., Cacioppo John T. (1986), “Guidelines for Human Electromyographic Research,”
Psychophysiology, 23 (5), 567–589

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Questions and Answers

How to get great EMG Data

For more information:

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-**Join us** on February 16th, 8:00 AM Pacific for
“How to get great EMG Data - Analysis”
-**Register** at www.biopac.com/webinars

Thank you for your time and attention!