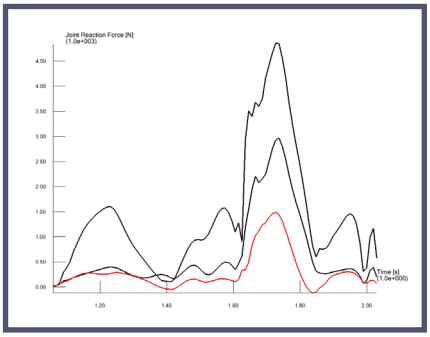
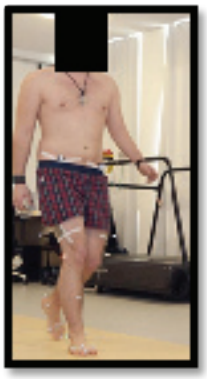
# AnyBody AnyGait - Add muscle forces to your Gait Lab

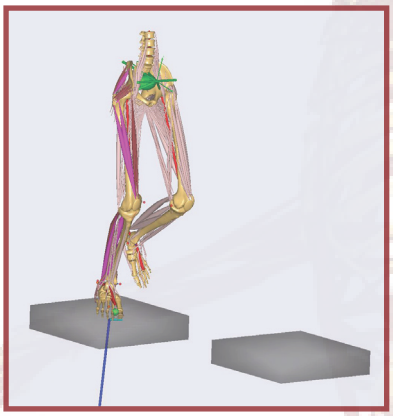
AnyGait™ is a powerful and easy-to-use application for clinical gait labs and gait researchers. AnyGait enables you to obtain sophisticated best-in-class musculoskeletal analysis of trials as part of your daily routine. Our Graphical User Interface enables clinical gait lab staff, without programming skills, to process motion capture data in the AnyBody Modeling System, the world's leading comprehensive musculoskeletal simulation package.

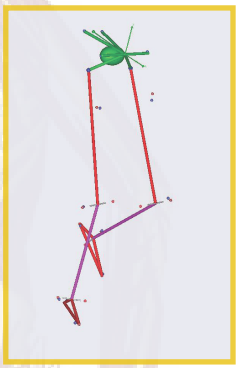
## AnyGait

- Streamlined, Intelligent Musculoskeletal Analysis
- Easily Match the Model to Each Subject
- Automatic Functional Joint Center Calculations
- Dynamic Kinetic and Kinematic Results
- Obtain Individual Muscle and Joint Forces
- Validated Output - Customizable to Your Workflow









## Input Data

AnyGait processes motion capture data and ground reaction forces.

## EMG

AnyGait enables you to leverage EMG results embedded in C3D format for immediate validation.

## Supported Systems

Standard gait lab setups are included for common mocap and force sensor systems:

- Vicon
- Qualisys
- Simi or other systems that can output C3D
- AMTI
- Bertec
- Kistler and similar systems

## Results/Output

AnyGait is configured to deliver important results in condensed and easy-to-read graphs. Output can be customized easily to meet the needs of your laboratory including joint reaction forces, moments, angles or individual activations of major muscle branches.

Output results and analysis to numerous programs: Microsoft Office (e.g. Excel), Matlab, SPSS, GCD Reports and others.

## Easy Control

An intuitive customizable Graphical User Interface guides users without prior modeling skills. In addition, users have full access to all details of the open model through the AnyBody Modeling System.

# Universities and Research Institutes using AnyBody

## Asia-Pasific:

- Auckland University of Technology, New Zealand
- Beijing Institute of Technology, China
- Kagoshima University, Japan
- Kansai University, Japan
- Kaohsiung Medical University, Taiwan
- Monash University, Malaysia
- National Rehabilitation Center Korea, South Korea
- National Yang Ming University, Taiwan
- Queensland University of Technology, Australia
- Seoul National University, South Korea
- Shanghai Rehabilitation Research Center, China
- Shanghai University of Sport, China
- Shiga University of Medical Sciences, Japan
- Thammasat University, Thailand

## North and South America:

- Clemson University, United States
- Colorado School of Mines, United States
- Laval University, Canada
- Mississippi State University, United States
- North Carolina A&T State University
- San Jose State University, United States
- State University of New York at Buffalo, United States
- Texas Woman's University, United States
- Universidad Andres Bello, Chile
- University of Memphis, United States
- University of Montreal, Canada
- University of Ottawa, Canada
- University of Sao Paulo, Brazil
- University of Waterloo, Canada
- Virginia Polytechnic Institute and State University, United States

## Europe:

- ETH Zurich, Switzerland
- Fundació CTM Centre Tecnològic, Spain
- Glasgow Caledonian University, United Kingdom
- Hannover Medical School, Germany
- Mid Sweden University, Sweden
- National Technical University of Athens, Greece
- Northumbria University, United Kingdom
- Oxford University, United Kingdom
- Polytechnic University Bucharest, Romania
- Poznan University of Technology, Poland
- Ruhr University Bochum, Germany
- Russian State University of Physical Education, Russia
- Technikum Wien, Austria
- TU Darmstadt, Germany
- University Lyon 1, France
- University of Aveiro, Portugal
- University of Bern, Switzerland
- University of Hull, United Kingdom
- University of Kassel, Germany
- University of Ljubljana, Slovenia
- University of Luxembourg, Luxembourg
- University of Navarra, Spain
- University of Twente, The Netherlands

*...and many more across the world*

# Publication List

View the comprehensive list of AnyBody publications here: http://www.anybodytech.com/publications.html

# The AnyBody Research Group at Aalborg University

AnyBody originated from researchers at Aalborg University, whose biomechanics group is alive and thriving.

*"My group participates in numerous international research projects on development and application of biomechanical models. Our working philosophy is to seek the combination of my group's knowledge about biomechanical modeling in general with domain expertise about particular application fields from other groups. This combination of skills very often allows progress much beyond what we could achieve on our own. We are always happy to initiate new collaborations with other groups and individual scientists."*
Prof. John Rasmussen, PhD, The AnyBody Research Group, Aalborg University

Prof. John Rasmussen

# Interfaces

The AnyBody Modeling System includes interfaces to leading FE tools, MoCap systems, Matlab, Python and other software packages.

# Software and Hardware Requirements

AnyBody runs on Windows PC computers with Windows Vista, Windows 7 or Windows 8 operating systems. All solvers, compilers, algorithms, and models are available in AnyBody. No third-party products are necessary. Hardware with at least 4 GB RAM, a modern 2 GHz or faster 64 bit processor, and a graphics adapter with 128 MB or more dedicated memory with OpenGL 3.0 support is recommended for typical work.