Accepted Manuscript

Computer-assisted design and finite element simulation of braces for the treatment of adolescent idiopathic scoliosis using a coronal plane radiograph and surface topography CLINICAL
BIOMECHANICS

Rany Pea, Jean Dansereau, Christiane Caouette, Nikita Cobetto, Carl-Éric Aubin

PII: S0268-0033(18)30213-4

DOI: doi:10.1016/j.clinbiomech.2018.03.005

Reference: JCLB 4491

To appear in: Clinical Biomechanics

Received date: 7 July 2017 Accepted date: 13 March 2018

Please cite this article as: Rany Pea, Jean Dansereau, Christiane Caouette, Nikita Cobetto, Carl-Éric Aubin, Computer-assisted design and finite element simulation of braces for the treatment of adolescent idiopathic scoliosis using a coronal plane radiograph and surface topography. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Jclb(2017), doi:10.1016/j.clinbiomech.2018.03.005

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Computer-Assisted Design and Finite Element Simulation of Braces for the Treatment of Adolescent Idiopathic Scoliosis using a Coronal Plane Radiograph and Surface Topography

Authors:

Rany Pea^{a,b}, Jean Dansereau^a, Christiane Caouette^{a,b}, Nikita Cobetto^{a,b}, Carl-Éric Aubin^{a,b}

- a) Polytechnique Montreal
 P.O. Box 6079, Downtown Station
 Montreal (Quebec)
 H3C 3A7 CANADA
- b) Research Center, Sainte-Justine University Hospital Center 3175, Cote Sainte-Catherine Road Montreal (Quebec) H3T 1C5 CANADA

Corresponding author:

Carl-Eric Aubin, PhD, PEng

Full Professor

Canada Research Chair in Orthopaedic Engineering

NSERC/Medtronic Industrial Research Chair in Spine Biomechanics

Polytechnique Montreal, Department of Mechanical Engineering

P.O. Box 6079, Downtown Station, Montreal (Quebec), H3C 3A7 CANADA

E-mail: carl-eric.aubin@polymtl.ca

Word count: 2551

Abstract word count: 250

Download English Version:

https://daneshyari.com/en/article/8797787

Download Persian Version:

https://daneshyari.com/article/8797787

<u>Daneshyari.com</u>