

2008 OAAC Conference
April 25 & 26

DEADLINE FOR ABSTRACT – December 18, 2007

Name: Dr Michael Devlin

Institution: West Park Healthcare

Address: R3-92, 82 Buttonwood Drive
Toronto, Ontario M6M 2J3

Telephone: 416-243-3680

Fax: 416-243-1177

Email mdevlin@westpark.org

Podium Presentation
Approximate length (minutes) 15

Poster Presentation

Title of Abstract: Outcomes of Individuals with Both a Transfemoral and Transtibial Amputation

Curriculum Vitae (indicate how you would like to be introduced)

Audiovisual Aids Required:

- Slide Projector
XPower Point Presentation
 Overhead Projector
 Other _____

ABSTRACT OF PRESENTATION

Format: Title, Presenter(s), and Precis of presentation (150 words, Arial font, 11 point, single spaced)

Note: Electronic submission to Karen.fairley@sunnybrook.ca is preferred.

Title; Outcomes of Individuals with Both a Transfemoral and Transtibial Amputation

Presenter: Dr Michael Devlin

Objective: To evaluate the functional outcome of individuals with both transfemoral and transtibial amputations secondary to peripheral vascular disease

Methods: A retrospective chart review followed by phone interview. The outcome measures were the discharge 2 minute walk test, Frenchay Activities Index, and the Houghton Scale.

Results: There were 31 dysvascular individuals with a combination of transfemoral/transtibial (TF/TT). There were 8 surviving amputees. The average discharge 2 minute walk test score was 31.9m. The average FAI was 15.3. The average Houghton Scale score for the transtibial prosthetic was 2.1. The average Houghton Scale score use of both a transtibial and transfemoral prosthetic was 1.5. Comparisons between groups based on initial amputation and number of co-morbidities revealed a significant difference of being fit with a transfemoral prosthetic. Those whom initially had a TT amputation were less likely to be fit with a TF prosthesis ($p=0.029$). Those with more than 4 co-morbidities were less likely to be fit after the second amputation ($p=0.007$) and less likely to be fit with a TF prosthesis ($p=0.018$).

Conclusion: The functional outcome of individuals with a combination of TF/TT amputation is poor. Individuals who initially had a TT amputation and more than four co-morbidities are generally not fit with a TF prosthesis.

