

ALL ELECTRONIC PROSTHESES FOR A BILATERAL TRANSHUMERAL AMPUTEE

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ABSTRACT

L. A. has bilateral transhumeral amputations as a result of electrical burns. There is no myoelectric activity on the left side and minimal activity on the right. Only the Utah ServoPro would provide elbow and ID control on the left; however, extensive training made a myoelectric fitting possible on the right. The patient can don the prosthesis alone, but has good contact with the myoelectrodes due to special modifications of the right socket. These prostheses have succeeded in their goal of returning to independence in eating and other activities of daily living.

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