



## DynAdapt L-Code Technical Testing Report

### **Coding Recommendations**

This report details and provides supporting documentation for Freedom Innovations recommendations with regards to which Healthcare Common Procedure Coding System (HCPCS) reimbursement codes apply for the DynAdapt Prosthetic Foot. Freedom Innovations recommends codes L5986 and L5980 for this foot. See below for support of these recommendations.

### **L5986 (All lower extremity prosthesis, multi-axial rotation)**

The DynAdapt was tested for multi-axial rotation according to the American Orthotic and Prosthetic Association (AOPA) test specifications published in September 2010 of *AOPA Prosthetic Foot Project Report*. The DynAdapt exceeds all required thresholds necessary to recommend the HCPCS code L5986. All tests were conducted using a standard 27 cm left foot for an A80 patient. Abbreviated test descriptions and results are described below.

In order to use code L5986, the prosthetic foot must meet the thresholds of the Multi-axial Test described in *AOPA Prosthetic Foot Project Report*.

This test includes 3 separate tests all of which must be passed in order to recommend L5986. They include: Sagittal Dorsiflexion Test, Sagittal Plantarflexion Test, and Coronal Inversion Test. The Sagittal Dorsiflexion Test requires the heel of the foot to contact the 10° test fixture when a force of 1230 N is applied to the foot. The Sagittal Plantarflexion Test requires the toe of the foot to contact the 8° test fixture when a force of 1230 N is applied to the foot. The Coronal Inversion Test requires a minimum of 8° of inversion when a force of 1230 N is applied as specified in the report previously mentioned.

For the DynAdapt, the heel contacted the test fixture during the Sagittal Dorsiflexion Test, the toe contacted the test fixture during the Sagittal Plantarflexion Test, and the actual inversion exceeded 8°. All three thresholds were met or exceeded making this foot eligible for L5986.

### **L5980 (All lower extremity prostheses, Flex Foot system)**

Freedom Innovations recommends the HCPCS code L5980 based on the code description and similarity to predicate devices including, but not limited to, original Flex Foot, Ossur's Vari-flex, and Trulife's Cadence. Those feet use this code with both Medicare and private insurances.

To illustrate similarity in function to a predicate device, in addition to the visible similarities in geometry and design, samples of the DynAdapt and Vari-Flex feet of the same size and category were tested with both a heel and toe load-deflection test. The results of which are shown in Table 1.

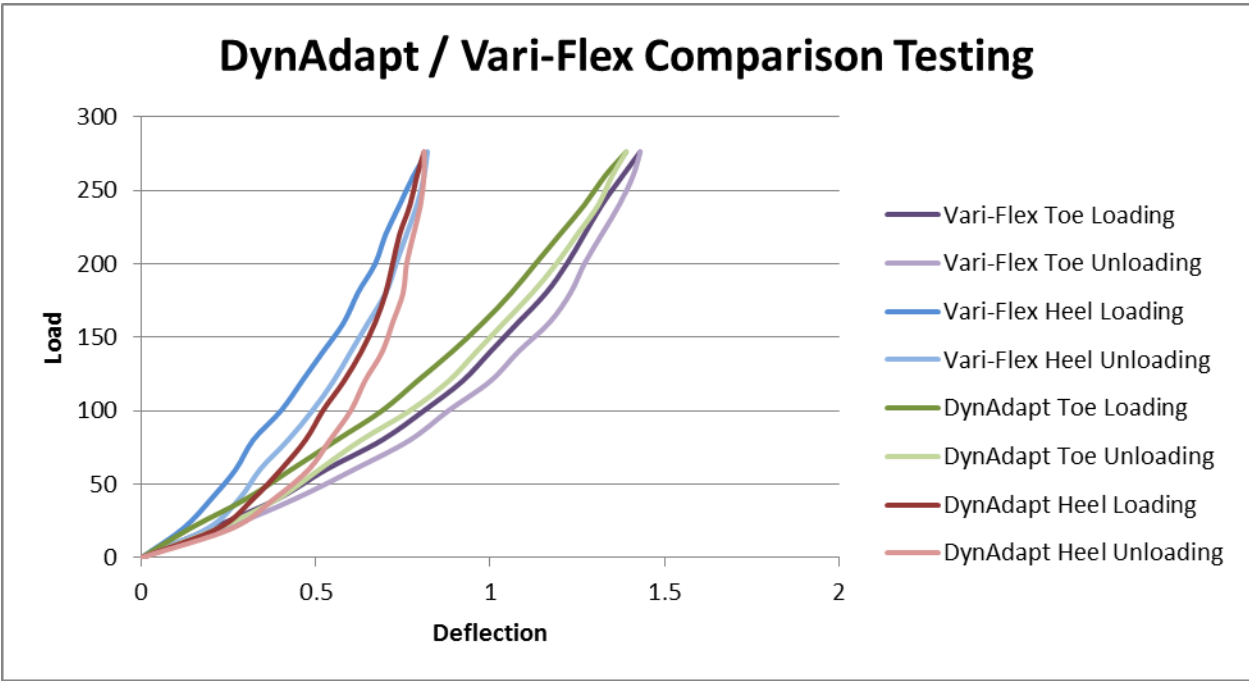


Table 1 – Freedom Innovations’ DynAdapt and Ossur’s Vari-Flex load-deflection comparative testing.

Both the loading and unloading curves are very similar for both feet tested, showing that these two feet are very comparable in stiffness, performance, and energy return. The % energy returned for the heel loading/unloading cycle was 88.9% and 89.4% for the Vari-Flex and DynAdapt respectively. The % energy returned for the toe loading/unloading cycle was 80.2% and 80.1% for the Vari-Flex and DynAdapt respectively.

**Summary**

For the reasons detailed and discussed above, Freedom Innovations recommends the Healthcare Common Procedure Coding System (HCPCS) codes L5986 and L5980 for the DynAdapt Prosthetic Foot.