

## **Client Observations**

In summary, 4 neurological clients were observed during their physical therapy session. Each client uses a different type of AFO and performed various activities. Information regarding each client's AFO, therapy exercises, and walking pattern was gathered and is listed below.

### **Client 1: Neurologic client**

Client uses Cane and Rigid AFO to walk. An orthotic designs the AFO.

Therapists performed the following activities:

- Nu Step therapy (seated stepper)
- Shoe Size analysis
  - Weight gain affected AFO fit
  - Redness occurs before improvement
  - To adjust AFO size, Orthotist will heat up brace and flare it outwards

Client's gait cycle occurs with the following:

- Heel slides on the shoes
- Brace is sliding a touch, fits well without socks

Client was wearing sneakers.

### **Client 2: Neurologic client**

Client uses a bioness to walk which strengthens stability and control, and retains posture

Therapists performed the following activities:

- Client stepped over foam mats with bioness device on
- Client stepped over foam mats with bioness device off
- Client bent over to pick up golf ball (bioness device off)
- Client walked sideways with elastic band wrapped around both legs
- Client putted golf ball into a plastic hole setup
- Client tried left foot in front for putting (bioness on)

Client's current gait cycle occurs with the following:

- Knee locks when he walks

Client was wearing sneakers

### **Client 3: Neurologic client**

Client uses Anterior Shell to walk

Therapists performed the following activities:

1. Client walked on a treadmill with the right leg swinging (a safety harness was attached)→ note: knee bends a little when client walks.

Client wore sneakers.

### **Client 4 Neurologic client:**

Client uses a cane and an athletic brace (provides sideways support) to walk

Therapists performed the following activities:

1. Client did squats while doing basketball.
2. Client's foot points out while walking. Client wore sneakers.