

Child's Name: \_\_\_\_\_ Appointment Date & Time: \_\_\_\_\_

### **Instructions for Motion Analysis**

- Please bring form-fitting clothing. This might include a swimsuit for a girl, boxer-briefs for a boy, or spandex clothing.
- Please bring any braces/orthotics and the shoes the child wears over the braces/orthotics.
- Please bring any assistive device that the child might use (walker, crutches, braces, etc.).
- Please bring completed forms regarding history and ambulatory status of the child.
- Please bring any toy or object that might motivate the child to walk.
- Please prepare the child by discussing the analysis and what will occur. If the child is fearful, it might be helpful to suggest that the child will get to dress up like a superhero, be a movie star, or be on TV.

### **What to expect the day of testing...**

- The child will need to wear as little clothing as possible while still being comfortable. The clothing that the child does wear must be as form-fitting as possible. This will prevent interference with the reflectors.
- Measurements of anatomical landmarks will be taken and small reflective markers will be placed on the child's body in various locations. Electromyography (EMG) electrodes will also be placed on various muscles of the legs. This process will take approximately 45 minutes.
- The child will need to walk across the room several times to capture the child's movement with the cameras.
- A caregiver should be present throughout the analysis to put the child at ease and to assist with motivating the child. Toys or objects that motivate the child may be brought to the analysis.
- The reflectors are attached with double-sided tape and will need to be removed after the analysis. They might leave small red marks on the child's skin, similar to removing a band-aid.
- The entire process will take approximately 3 hours.