The Motion & Gait Laboratory provides diagnostic state-of-the-art evaluations which guide treatment decisions for children with orthopedic and neuromuscular disorders. Referring physicians receive detailed analysis with an explanation of test results to assist developing an individualized treatment plan for each patient.

**ADVANCED DIAGNOSTIC EVALUATION**

**Gait Analysis**

* 3-D kinematic and kinetic measures of joint motion and forces that act across the joints during walking

* Electromyographic (EMG) measures of muscle activity during gait
ADVANCED DIAGNOSTIC EVALUATION

Upper Limb Motion Analysis
- Evaluation of shoulder, elbow, forearm, and wrist motion

Postural Balance Analysis
- Assessment of body sway while standing still

Energy Efficiency
- Energy expenditure during walking:

RESULTS AND RECOMMENDATIONS

Motion and gait analysis provides:
- Paper copy of the patient report with graphs, test results and treatment recommendations
- CD containing video and an electronic copy of the patient report

CONTACT US

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