LUCILE PACKARD CHILDREN'S HOSPITAL

Motion & Gait Laboratory

ADVANCED ANALYSIS OF WALKING DISORDERS AND UPPER LIMB MOTION DEFICITS



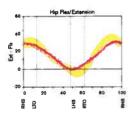
The Motion & Gait Laboratory provides diagnostic state-of-the-art evaluations which guide treatment decisions for children with orthopedic and neuromuscular disorders. Referring physicians receive detailed analysis with an explanation of test results to assis developing an individualized treatment plan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

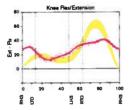
ADVANCED DIAGNOSTIC EVALUATION

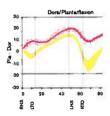
Gait Analysis

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

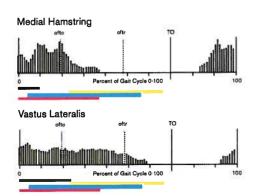








• Electromyographic (EMG) measures of muscle activity during gait

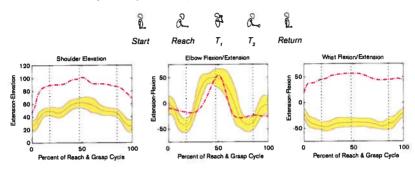




ADVANCED DIAGNOSTIC EVALUATION

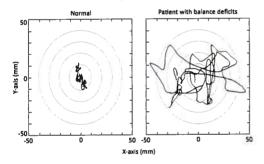
Upper Limb Motion Analysis

· Evaluation of shoulder, elbow, forearm, and wrist motion



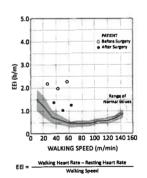
Postural Balance Analysis

· Assessment of body sway while standing still



Energy Efficiency

• Energy expenditure during walki



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

Motion & Gait Laboratory 321 Middlefield Road, Suite 130 Menlo Park, CA 94025

Located with Packard Children's Outpatient Rehabilitation Services

(650) 723-5308 (650) 498-7167 (Fax) motionlab.lpch.org