

COMMON QUESTION ASKED BY PARENTS AND CAREGIVES

- ✓ WHAT IS GAIT ANALYSIS USED FOR ?

- ✓ HOW IS GAIT ANALYSIS OR MOTION ANALYSIS DONE ?

- ✓ HOW MUCH DOES GAIT ANALYSIS COST ?

IMPORTANT PAPERS FOR ROLE OF GAIT ANALYSIS

Clinical Gait Analysis and Its Role in Treatment Decision-Making

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DISCLOSURES

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Abstract and Introduction

Clinical gait analysis is the process by which quantitative information is collected to aid in understanding the etiology of gait abnormalities and in treatment decision-making. This process is facilitated through the use of technology such as specialized, computer-interfaced video cameras to measure patient motion, electrodes placed on the surface of the skin to appreciate muscle activity, and force platforms imbedded in a walkway to monitor the forces and torques produced between the ambulatory patient and the ground. Essential to the process is the interpretation of these data by an experienced, interdisciplinary team with substantial knowledge in normal and pathologic gait. This article introduces this clinical specialty and illustrates its applicability by addressing a number of frequently asked questions. What is involved in a clinical gait analysis test? That is, how is it performed? How are gait data interpreted? What additional information is provided through a clinical gait analysis that augments observational gait analysis? Which patients can benefit from a clinical gait analysis?

The goal of clinical gait analysis is to assist in treatment decision-making for the person with complex and not easily understood walking problems. Clinical gait analysis (sometimes referred to as "quantitative gait analysis") is a process whereby gait characteristics are measured, abnormalities are identified, causes are postulated, and treatments are proposed

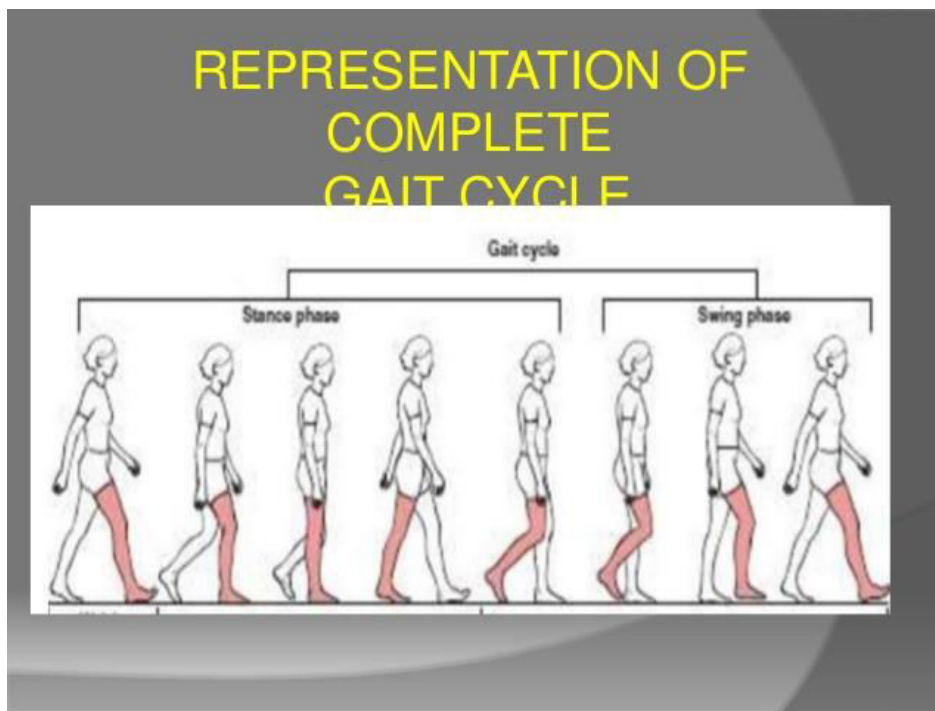
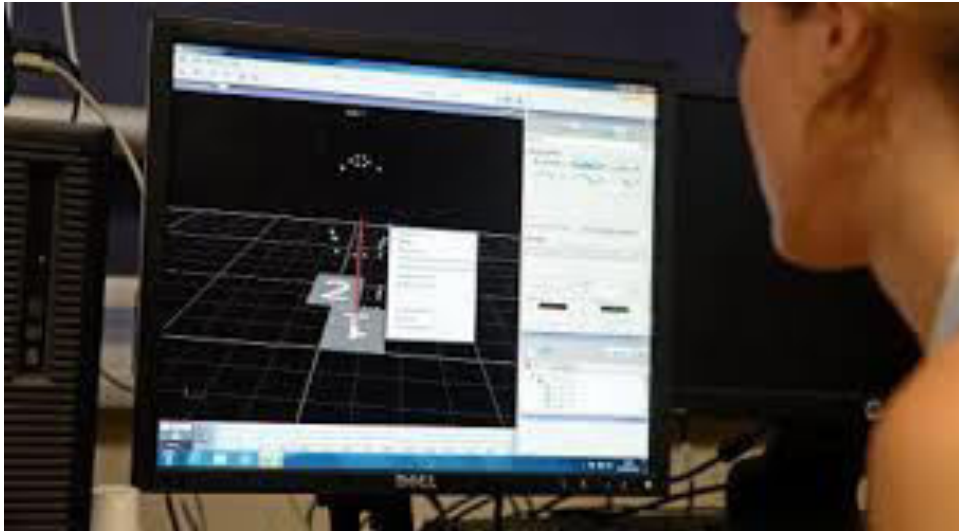


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SOME PHOTOS OF INSIDE OF OUR GAIT LABORATORY

