



TRAMA  **TR**Aining in
Motion Analysis

**Start up meeting
TRAMA Project**

May 11th 2007



**INSTITUTO DE REHABILITACIÓN
INFANTIL TELETÓN CHILE**



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INFANTIL TELETÓN CHILE**



A non profit Institution

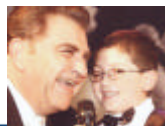
Rehabilitation of children and young people up to the age of 20, with motor disabilities. However, the upper age limit is 24 years for the spinal cord injury patients and other traumatics acute injuries

Founded in 1947 in Santiago Chile

From 1978 it began to grow quickly due to large, annual, televised fund raising events known as TELETON Campaigns

2001 ORITEL was founded

10 Institutes around the country



- ⚡ 24.449 patients throughout the country
- ⚡ 2.500 new patients each year
- ⚡ 662772 consultations in 2006
- ⚡ U.S. \$ 15.000.000 annual operating budget



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IRI Teleton: Our Mission



*The Comprehensive Rehabilitation of children and young people with invalidating diseases.
 Our strong emphasis is on their independence and autonomy in order to improve their integration into the family, school, social and work environment.*

To Rehabilitate in order to Insert in to the Community



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To be the leader in Chile in Comprehensive Rehabilitation

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STRATEGIC OBJECTIVES

TO MAINTAIN COMMUNITY SUPPORT THROUGH THE TELETON

QUALITY SERVICE

EFFECTIVE MODEL
OF
REHABILITATION

MODERN AND
EFFICIENT
ADMINISTRATION

TO BE AN AGENT
OF CHANGE
WITHIN THE
COMMUNITY




QUALIFIED HUMAN RESOURCES

-CONTINUOUS IMPROVEMENT POLICY-
-PERFORMANCE MANAGEMENT-

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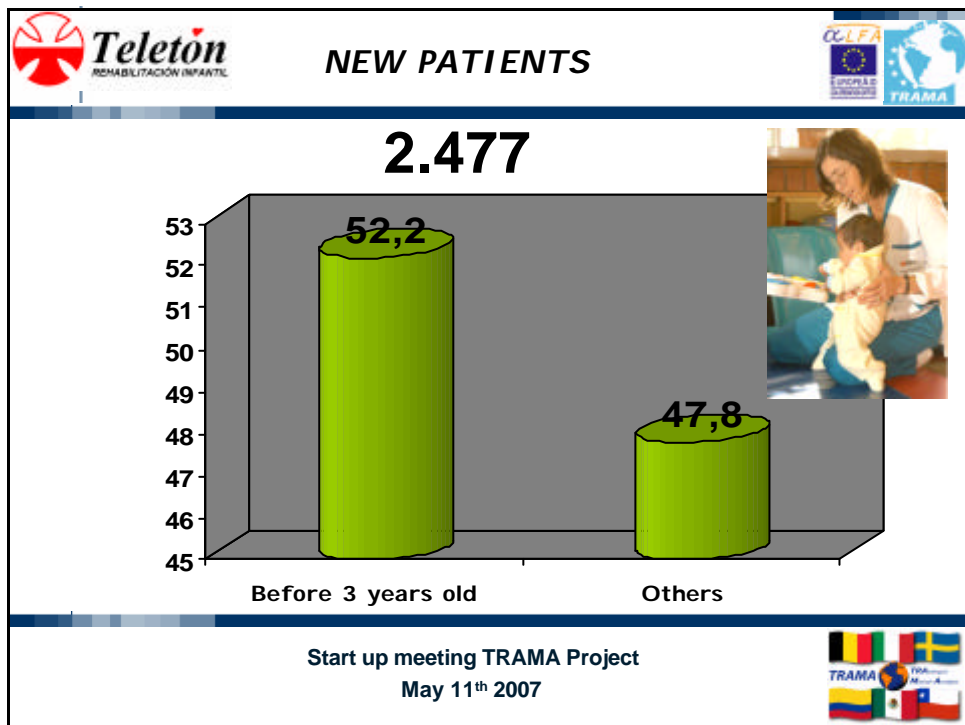
Teletón REHABILITACION INFANTIL Patients IRI Teletón December 2006

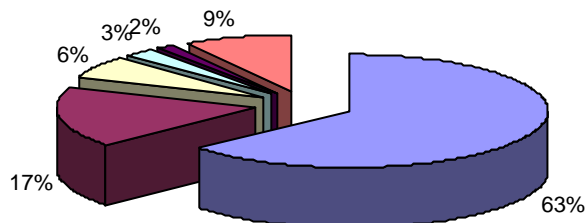
INSTITUTE	CEREBRAL PALSY	NEURO-MUSCULAR DISEASES	SCI: CONGENITAL & ACQUIRED	AMPUTEES	OTHER CNS DISEASES	OTHER PATHOLOGIES	NOT INFORMED	TOTAL
ARICA	176	83	56	70	50	266	1	702
IQUIQUE	200	79	37	48	47	168	1	580
ANTOFAGASTA	436	101	89	78	117	370	11	1202
COQUIMBO	429	133	83	53	91	200	8	997
VALPARAISO	1317	474	340	203	355	1078	5	3772
SANTIAGO	3874	1318	1234	667	1030	1980	104	10207
TALCA								
CONCEPCIÓN	1408	393	300	190	363	731	4	3389
TEMUCO	631	192	143	79	155	301	5	1506
PUERTOMONTT	665	249	127	101	231	720	1	2094
TOTAL	9136	3022	2409	1489	2439	5814	140	24449
%	37,4	12,4	9,9	6,1	10,0	23,8	0,6	100,0

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80 % Low income families.
63% Is living in conditions of extreme poberty



■ Extreme poberty ■ Lower middle class ■ Middle class ■ Higher middle class ■ Upper class ■ Not Defined

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•OUR MAIN ACTIVIY IS
COMPREHENSIVE REHABILITATION

•TEACHING ACTIVITIES AT PRE
GRADUATE AND POST GRADUATE LEVELS

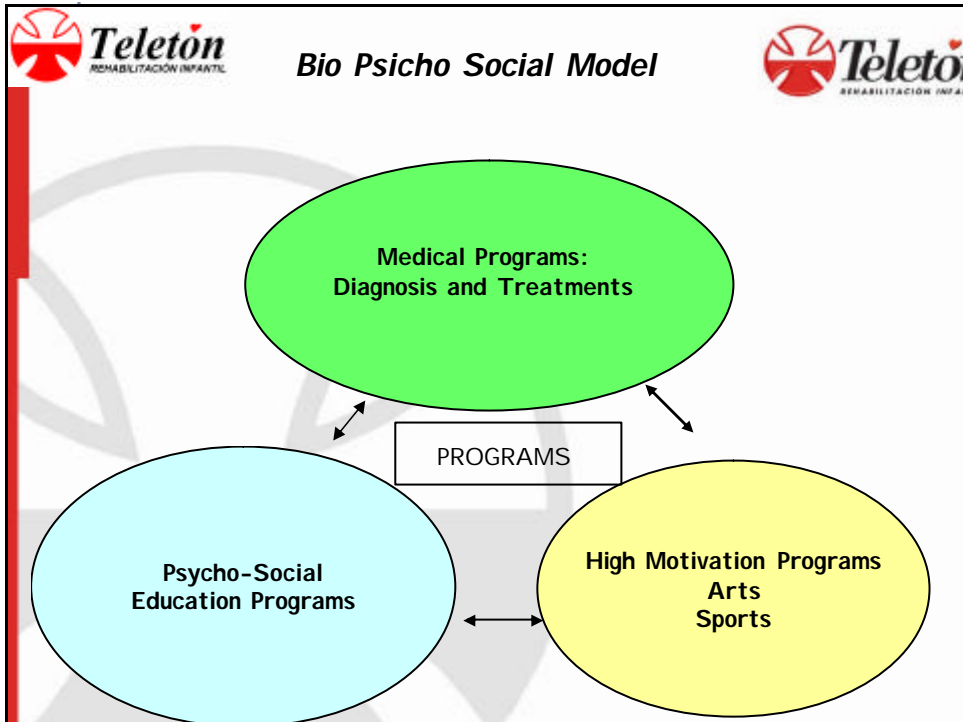
•CLINICAL RESEARCH

•COMMUNITY ACTIVITIES



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Teletón **PROFESSIONAL TEAM**

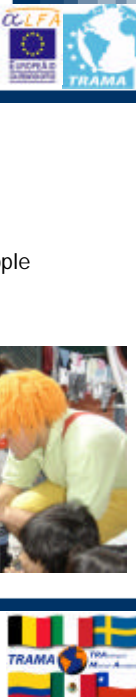
Physiatrist
 Orthopedic Surgeon
 Urologist
 Neurologist
 Pediatrician
 Psychiatrist
 Dentist


Physical Therapist
 Occupational Therapist
 Education Therapist
 Speech Therapist
 Psychologist
 Social Worker
 Nurses
 Nutricionist
 Orthotist and Prosthetist
 Bio Engineer




Professional Administrative Supporting
 Volunteers people

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 REHABILITACION INFANTIL


OUR AIM


To Achieve







- ✦ Maximum development of functional, physical, psychological, emotional and social abilities
- ✦ Independence, Autonomy, Integration
- ✦ Active and functional Family Integration and
- ✦ To establish support networks within the community

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Effective Rehabilitation Model

Optimal Functional Productivity of the Care Provided
 Model of Rehabilitation Based on Evidence
 Incorporation of New Treatment that Allows Optimal Efficiency and Effective Attention
 Follow up of Patients During Growth and Development Process
We Aim To Be in "State - of- the - Art"

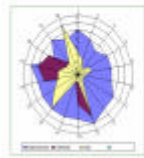


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Teletón REHABILITACION INFANTIL **REHABILITATION BASED IN EVIDENCE**








- Clinical Activities on the basis of Programs with defined objectives and population
- Measurements of quantitative and qualitative results
 - Wee FIM.
 - GMFM
 - Gait Lab
 - Guidelines and Protocols
 - Judgement of Experts


Functional Productivity: Responsibility to the country for the suitable use of the resources


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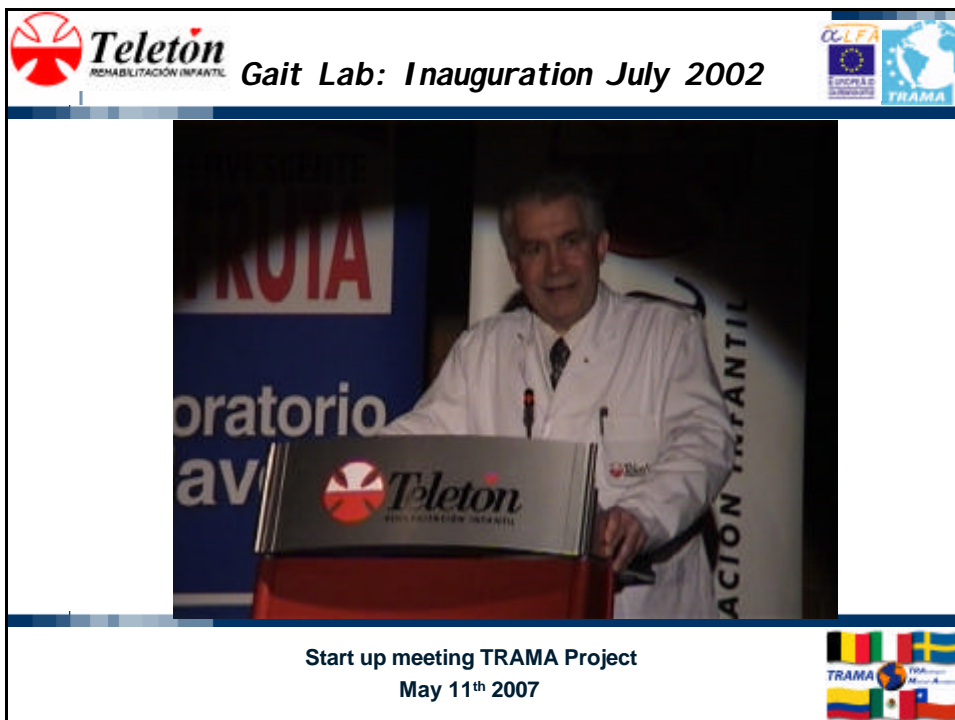
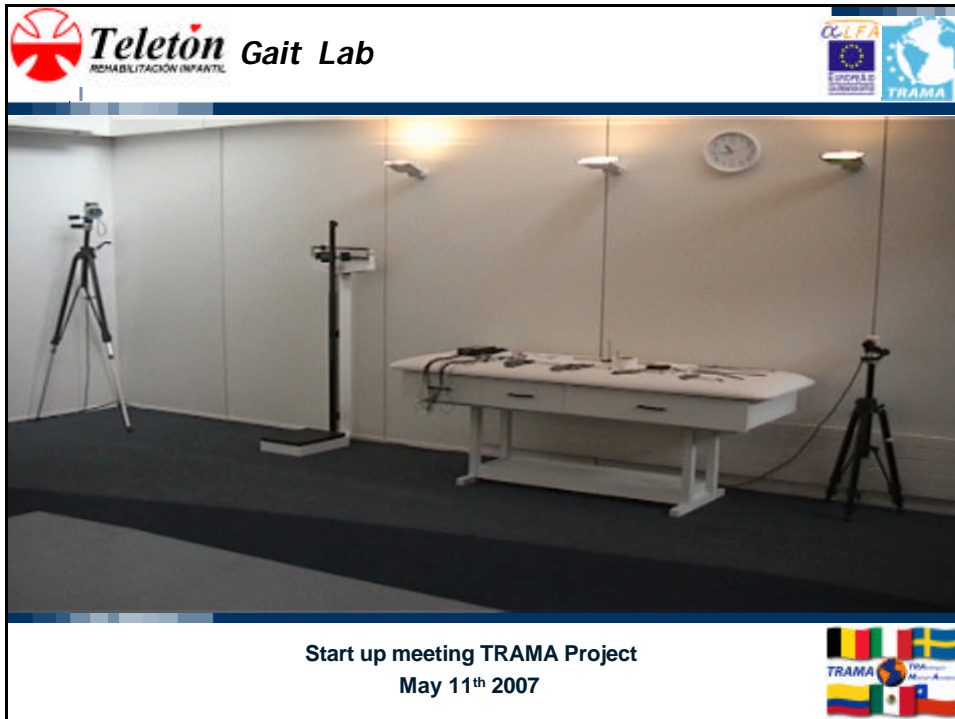



Teletón **Gait Lab** **March 2002 : At the Beginning**






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GAIT LAB : PATIENTS & DG							
	CP	MMC	DMD	AMP	GENETIC SD	OTHERS DG	TOTAL PATIENTS
nº	974	75	24	14	12	54	1153
%	84	7	2	1	1	5	100



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	Spastic R. Hemiplegia	Spastic I. Hemiplegia	Spastic Diplegia	Mixed Diplegia	Spastic Paraplegia	Spastic Quadriplegia	CP Dystonic	CP Ataxica	TOTAL
Nº	134	114	564	4	138	12	5	3	974
%	13,8	11,7	57,9	0,4	14,2	1,2	0,5	0,3	100



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Teleton *Gait Lab: Clinical Research*




1.- GAIT ANALYSIS IN CHILDREN WITH SPASTIC HEMIPLEGIA: ABNORMALITIES IN THE UNINVOLVED LOWER LIMB RESPECT TO THE INVOLVED ONE
 Galli M, Romei M, Crivellini M, De La Maza A, Lillo S, Rozbaczylo C, Figueroa S
 Dipartimento di Bioingegneria, Politecnico di Milano, Milano, Italy
² Instituto de Rehabilitación Infantil Teleton, Santiago, Chile




2.-GAIT ANALYSIS AND QUALITY OF LIFE IN CHILDREN WITH MIELOMENINGOCELI LUMBAR SACRAL, TREATED WITH A GUIDELINE OF STRENGTH EXERCISES OF LOWER LIMBS
 Molina P; Morante M (P&M Tesis)
 Universidad de Chile
 Instituto de Rehabilitación infantil Teleton, Santiago Chile

3.-GAIT ANALYSIS IN CHILDREN WITH DUCHENNE MUSCULAR DYSTROPHY TREATED WITH EXERCISES: In Process
 Holgrem J; Moraga A.; Ojeda P.
 Instituto de Rehabilitación infantil Teleton, Santiago Chile


4.- COMPARISON OF THE CLINICAL EFFECT OF BOTOX AND BTXA IN THE TREATMENT OF SPASTICITY IN CHILDREN WITH SPASTIC HEMIPLEGIA: A RANDOMIZED DOUBLE BLIND STUDY In Process
 Morante M; Icarte C; Lillo S

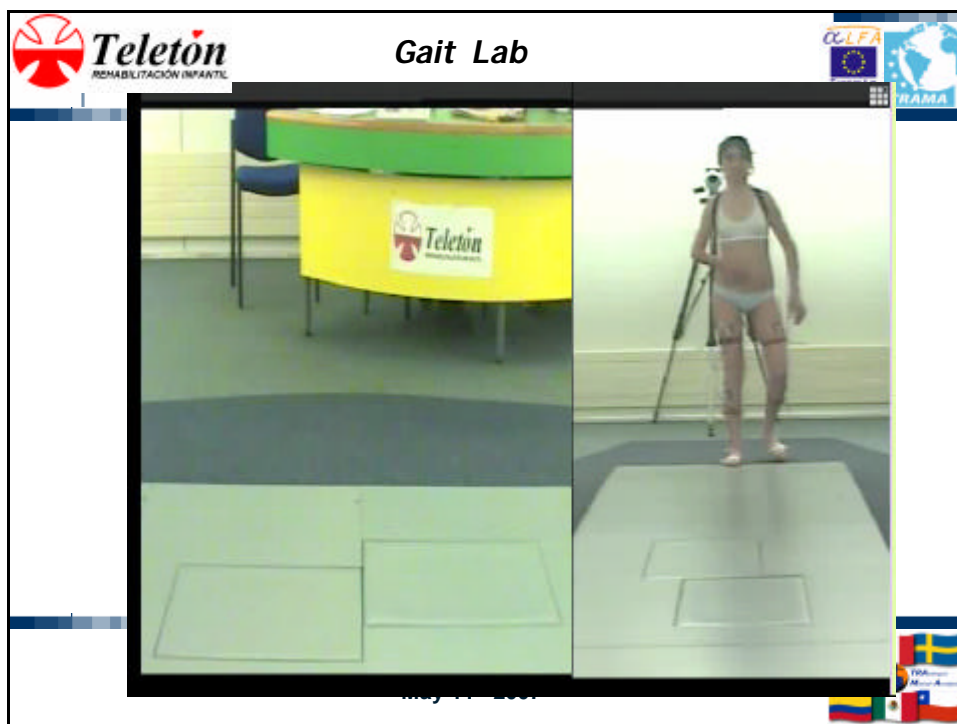
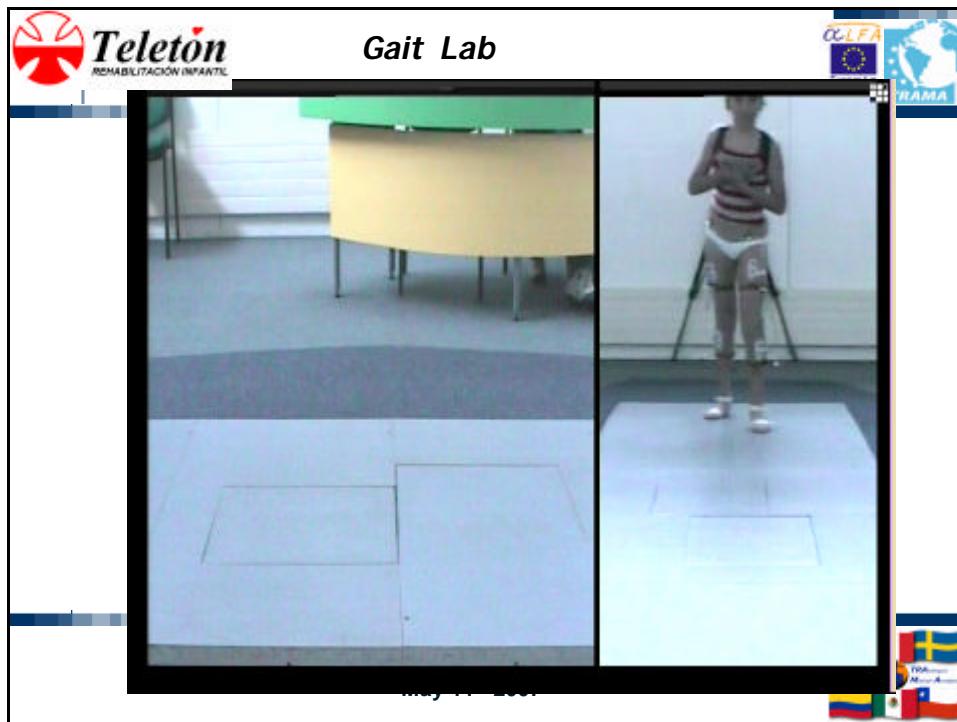
5.- GAIT ANALYSIS IN CHILDREN WITH SPASTIC HEMIPLEGIA PRE AND POST TREATMENT WITH FUNCTIONAL ELECTRICAL STIMULATION: In Process

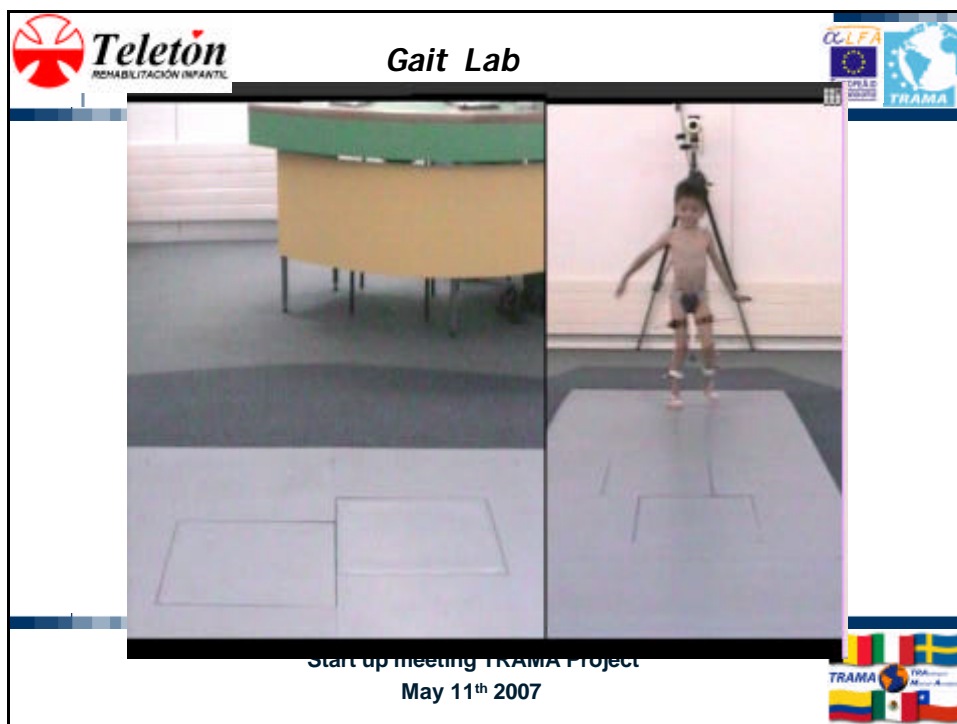
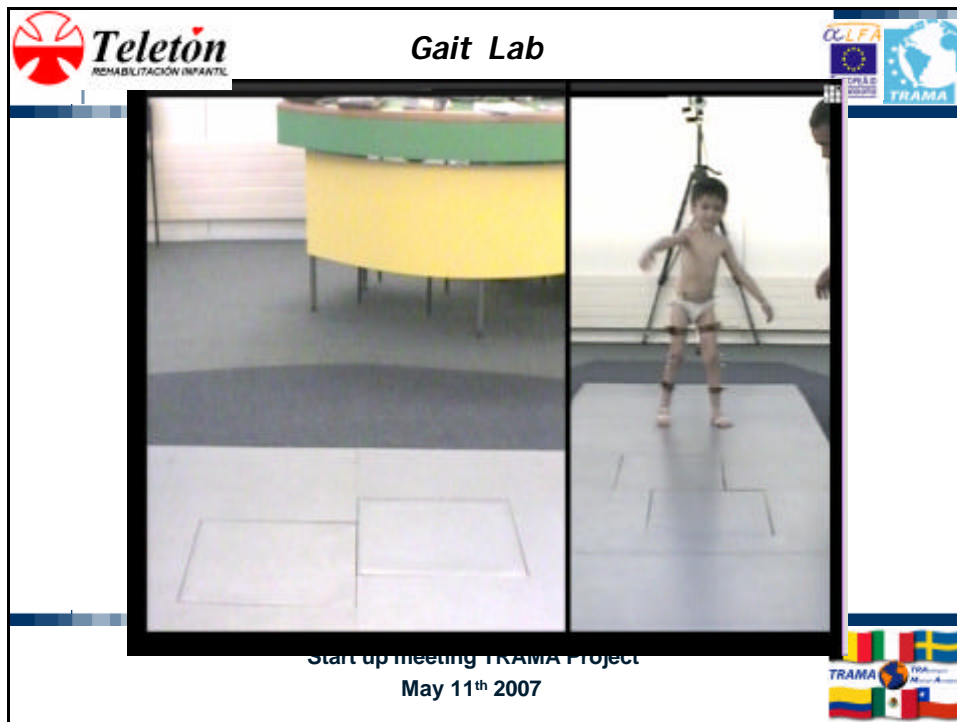
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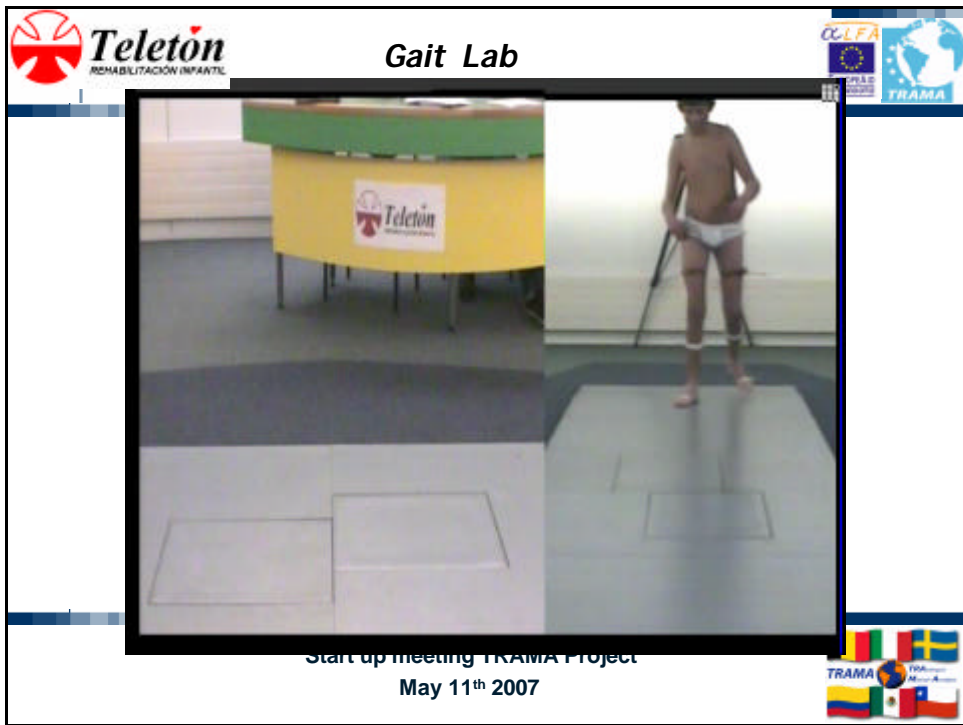
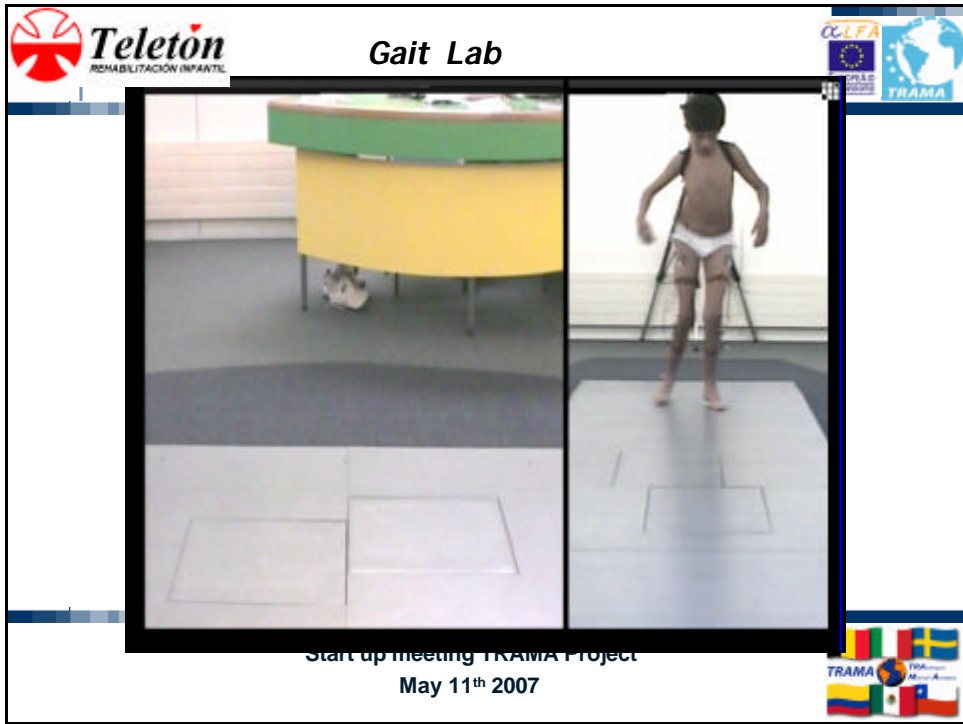

Teleton *Gait Lab: Our Experience*




Improvement of Rehabilitation Treatment Techniques
 Improvement of Surgical Techniques
 Unification of Orthoses, Prothetic and Surgical Therapeutics Criteria
 Quantitative Follow Up
 Continuous improvement




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 **Teletón**
REHABILITACION INFANTIL **Gait Lab**

NEW DIAGNOSTIC VISION
NEW THERAPEUTIC VISION
NEW SCIENTIFIC - THERAPEUTIC PROJECTION



REVOLUTION OF KNOWLEDGE

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