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The realization of
Oritel Gait analysis Lab network




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CURSO DE ANALISIS DE MOVIMIENTO
DEL LABORATORIO A LA CLINICA
10 de septiembre - 1 y 2 de octubre 2021


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Gait and Movement Analysis TELETON Lab Network



A continuing education program (coordinated by Lab Divieti of Politecnico di Milano) on the use of movement analysis for clinical application designed specifically for the Teleton Institutes

The aim is the creation of a "Teleton Gait Lab Network" with a common educational basis with the opportunity to share protocols, handbooks, work practices and methodologies improving the use of movement analysis for clinical applications.



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Background: italian partners




- The “Luigi Divieti Lab “ has a long experience in motion analysis for clinical applications, laboratory setting and personnel training and research activity
- The “Luigi Divieti Lab” had in the past a lot of Collaborations and contacts with Latin American Institutes of Rehabilitation, especially with Teleton Institutes ;
- The “Luigi Divieti Lab” was the coordinator of two projects involving Teleton Labs : 1) the TRAMA (TRAINing in Motion Analysis) Project, [www. Biomed.polimi.it/trama](http://www.Biomed.polimi.it/trama) and the NICE (New Italian Chilean Excellence) Project (www.nice.polimi.it)



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Background: Teleton Gait lab partners



- There are many Teleton Institutes with a Gait Analysis Lab;
- The use of the technology is not always simple (in particular the data interpretation);
- These labs use the same technologies and methods;
- The training level of these labs is very unequal: some labs are very advanced, other very new.
- The Teleton lab need to have adequate competencies to use movement in the best possible way. Not only gait but movement for clinical applications

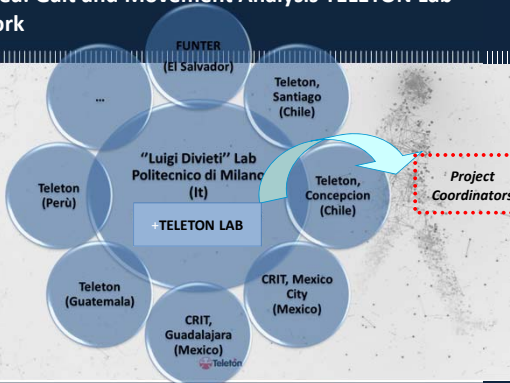


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The idea: Gait and Movement Analysis TELETON Lab Network



The diagram illustrates a network of Teleton Labs. At the center is the “Luigi Divieti” Lab Politecnico di Milano (It). Surrounding it are other labs: FUNTER (El Salvador), Teleton, Santiago (Chile), Teleton, Concepcion (Chile), CRIT, Mexico City (Mexico), CRIT, Guadalajara (Mexico), Teleton (Guatemala), Teleton (Perù), and an ellipsis (...). A red dashed box labeled “Project Coordinators” is connected to the Teleton, Concepcion (Chile) lab.

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Educational activity



- Course about motion analysis for Chilean Gait lab
- Courses and seminars about Biomedical engineering and motion analysis



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Patrocinan:

- Facultad de Medicina UdeC
- Facultad de Ciencias Biológicas UdeC
- Facultad de Ingeniería UdeC





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Gait and Movement Analysis TELETON Lab Network

The **Beneficiaries** of the Project will be:

- the **Teleton Institutes** involved in the Project
→ the quality of their Motion Analysis Lab's activity would significantly improve thanks to the training and the activities performed the project
- the **patients with disabilities** (in particular **paediatric patients**)
→ advantages in diagnosis and follow-up supplied by the improved techniques would improve the quality of patients' evaluation and assistance




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Thank you



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