

**Clinical Movement Analysis Society - UK and Ireland  
Statement of Purpose Form**



Name of Laboratory	Gait Analysis Laboratory, Belfast
Address	Musgrave Park Hospital Stockman's Lane Belfast BT9 7JB
Telephone number	028 9090 2155
Email	
Website	

Please provide a brief description of your laboratory – history, location, etc. Also describe main activities – clinical/teaching/research (maximum 150 words).

The Gait Analysis Laboratory at Musgrave Park Hospital in Belfast was installed in 1992, funded by the hospital charity MITRE. The lab is involved in the following activities.

**-Clinical**

Patients are referred by the Orthopaedic Service for conditions such as:

- Cerebral Palsy (CP)
- Myelomeningocele (Spina Bifida)
- Charcot Marie Tooth (CMT)
- Complex limb deformities
- Idiopathic toe-walkers (ITW)
- Congenital Talipes Equinovarus (CTEV)
- Developmental Co-ordination Disorder (DCD)

**-Research**

The laboratory has been carrying out research since its conception in 1992. From developing and designing technical tools and software, to the study of treatment efficacy, classification of walking patterns, and patient function and participation.

**-Teaching**

The laboratory regularly provides training to undergraduate physiotherapy and engineering students on placement within the Trust. Several local conferences have also been organised by staff members, in the areas of CP gait and EMG/spasticity.

**Host Institution**

NHS Trust	<input checked="" type="checkbox"/>
University/Academic	<input type="checkbox"/>
Private Company	<input type="checkbox"/>
Other...(please specify)	

### **Staffing**

	<b>Employed by laboratory</b>	<b>Available for consultation</b>
Orthopaedic Surgeon	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rehabilitation Consultant	<input type="checkbox"/>	<input type="checkbox"/>
Paediatrician	<input type="checkbox"/>	<input type="checkbox"/>
Neurologist	<input type="checkbox"/>	<input type="checkbox"/>
Physiotherapist	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sports Scientist	<input type="checkbox"/>	<input type="checkbox"/>
Bioengineer (Clin Sci)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Orthotist	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Prosthetist	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Podiatrist	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Others (please specify: (use Enter to expand)	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>

### **Named Staff**

	<b>Name</b>	<b>Email</b>	<b>Phone</b>
Main contact	Jose Salazar	jose.salazar@ieee.org	02890902155
Clinical Lead	Brona McDowell	brona.mcdowell@belfasttrust.hscni.net	02890902556
Technical Lead	Jose Salazar	jose.salazar@ieee.org	02890902849

### **Clinical Expertise**

- please indicate if you have a major interest in this area, a minor interest or would not accept a referral (excluded)

	<b>Adults</b>	<b>Children</b>
Cerebral Palsy	Minor	Major
Neuromuscular disorders	Major	Major
Orthopaedics	Minor	Major
Spinal injuries	Minor	Major
Stroke	Minor	Minor
Orthotics	Minor	Major
Orthotic tuning	Excluded	Excluded
Prosthetics	Minor	Minor
Sports	Excluded	Excluded
Others (please specify:)		

**Testing Available**

Orthogonal video filming	<input checked="" type="checkbox"/>
Video vector technology	<input type="checkbox"/>
3D movement analysis	<input checked="" type="checkbox"/>
Force plate	<input checked="" type="checkbox"/>
Electromyography	<input checked="" type="checkbox"/>
Plantar pressure measurement - barefoot	<input checked="" type="checkbox"/>
Plantar pressure measurement – in shoe	<input type="checkbox"/>
Energy cost measurement (oxygen/HR)	<input checked="" type="checkbox"/>
Balance assessment	<input type="checkbox"/>
Upper limb assessment	<input type="checkbox"/>
Other (please specify)	
Tests for DCD	<input checked="" type="checkbox"/> <input type="checkbox"/>

**Levels of Reporting** (tick all that are available)

Graphs/Data only	<input checked="" type="checkbox"/>
Written description of movement and deviations	<input checked="" type="checkbox"/>
Treatment recommendations	<input checked="" type="checkbox"/>