

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



Name of Laboratory	Motor Learning Lab
Address	Royal National Orthopaedic Hospital Brockley Hill Stanmore Middx HA7 4LP
Telephone number	020 8 909 5523
Email	Matt.Thornton@nhs.net
Website	Motor Learning Laboratory :: Royal National Orthopaedic Hospital (rnoh.nhs.uk)

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

The Motor Learning Lab offers a computerised 3D gait analysis service in both clinical and research settings. Equipment available is the Motek GRAIL system consisting of:

- 3D motion capture system (VICON 10 cameras)
- Instrumented treadmill (ForceLink)
- Multi channel digital video capture
- 180° display screen

Clinical areas covered by gait analysis are primarily patients with cerebral palsy. We also see patients with complex neuromuscular skeletal conditions in conjunction with the specialist orthopaedic activities at RNOH. Referrals should contain relevant clinical questions and are typically consultant led. Reports contain a detailed biomechanical analysis and treatment recommendations when appropriate.

Host Institution

NHS Trust	<input checked="" type="checkbox"/>
University/Academic	<input checked="" type="checkbox"/>
Private Company	<input type="checkbox"/>
Other...(please specify)	Click or tap here to enter text.

Named Staff

	Name	Email	Phone
Main contact	Matt Thornton	Matt.Thornton@nhs.net	0208 909 5523
Clinical Lead	Roisin Delaney	Roisin.Delaney@nhs.net	0208 909 5523
Technical Lead	Matt Thornton	Matt.Thornton@nhs.net	0208 909 5523

Staffing

	<i>Employed by laboratory</i>	<i>Available for consultation</i>
Orthopaedic Surgeon	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rehabilitation Consultant	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Paediatrician	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Neurologist	<input type="checkbox"/>	<input type="checkbox"/>
Physiotherapist	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sports Scientist	<input type="checkbox"/>	<input type="checkbox"/>
Bioengineer (Clin Sci)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Clinical Technologist	<input type="checkbox"/>	<input type="checkbox"/>
Orthotist	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Prosthetist	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Podiatrist	<input type="checkbox"/>	<input type="checkbox"/>
Others (please specify: Click or tap here to enter text.	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>

Clinical Expertise

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

	<i>Adults</i>	<i>Children</i>
Cerebral Palsy	Major	Major
Neuromuscular disorders	Major	Major
The Foot	Major	Major
Orthopaedics	Major	Major
Spinal injuries	Minor	Minor
Stroke	Excluded	Excluded
Orthotics	Excluded	Excluded
Orthotic tuning	Excluded	Excluded
Prosthetics	Minor	Minor
Sports	Excluded	Excluded
Others (please specify: Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.

Testing Available

	<i>Level of Reporting</i>
Clinical exam	Treatment Recommendations
Orthogonal video filming	Treatment Recommendations
Force plate	Treatment Recommendations
Video vector technology	Choose an item.
3D movement analysis	Treatment Recommendations
Detailed foot movement analysis	Descriptive Interpretation
Electromyography	Choose an item.
Plantar pressure measurement - barefoot	Choose an item.
Plantar pressure measurement – in shoe	Choose an item.
Energy cost measurement (oxygen/HR)	Choose an item.
Balance assessment	Choose an item.
Upper limb assessment	Choose an item.
Other (please specify) Click or tap here to enter text. Click or tap here to enter text. Click or tap here to enter text. Click or tap here to enter text.	Choose an item. Choose an item. Choose an item. Choose an item.