

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



Name of Laboratory	North West Movement Analysis Centre (NWMC)
Address	Alder Hey Children's NHS Foundation Trust Eaton Road Liverpool L12 2AP
Telephone number	0151 252 5949
Email	gill.holmes@alderhey.nhs.uk
Website	www.alderhey.nhs.uk

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

The NWMAC, established in 1997, located in Alder Hey Children's Hospital, Liverpool has a multidisciplinary team and offers a regional specialist service to both adults and children with movement disorders.

The laboratory is the hub of the cerebral palsy service co-ordinating long-term physiotherapy supervision of patients ; providing recommendations for non-operative interventions and multi-level surgical interventions including pre-operative planning and pre and post surgical rehabilitation protocols.

Areas of interest: Leg length discrepancy; upper limb, neuromuscular conditions including the foot.
Research: Core control in CP, Virtual Rehabilitation; Leg Length Discrepancy with Liverpool John Moore's University; Muscle Strengthening in CP – adults and children Cochrane Review, Exercise and Muscle Strengthening in CP

Teaching commitments: North West COG; Liverpool John Moore's University Biomechanics MSc; Dundee University registrar training; Sonography Guided Botulinum Toxin Injections Masterclass.

Host Institution

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

Staffing

	Employed by laboratory	Available for consultation
Orthopaedic Surgeon	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rehabilitation Consultant	<input type="checkbox"/>	<input type="checkbox"/>
Paediatrician	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Neurologist	<input type="checkbox"/>	<input checked="" 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"/>
Orthotist	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Prosthetist	<input type="checkbox"/>	<input type="checkbox"/>
Podiatrist	<input type="checkbox"/>	<input type="checkbox"/>
Others (please specify: Paediatric Neurodisability Consultant (use Enter to expand)	<input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>

Named Staff

	Name	Email	Phone
Main contact	Gill Holmes	gill.holmes@alderhey.nhs.uk	0151 252 5949
Clinical Lead	Alf Bass	alfie.bass@alderhey.nhs.uk	0151 252 5385
Technical Lead	Daniele Trinca	daniele.trinca@alderhey.nhs.uk	0151 252 5949

Clinical Expertise

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

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

Testing Available

Orthogonal video filming	<input checked="" type="checkbox"/>
Video vector technology	<input checked="" 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 type="checkbox"/>
Balance assessment	<input checked="" type="checkbox"/>
Upper limb assessment	<input checked="" type="checkbox"/>
Other (please specify)	
Ultrasound – muscle (for emg electrode placement)	<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"/>