

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



Name of Laboratory	Motion and Performance Centre (MPC)
Address	Institute of Sport and Exercise Science University of Worcester Henwick Grove Worcester WR4 0HE
Telephone number	01905 857520
Email	mpc@worc.ac.uk
Website	www.worc.ac.uk/mpc

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

The Motion and Performance Centre (MPC) is a purpose-built biomechanical analysis facility within the Institute of Sport and Exercise Science at the University of Worcester.

We aim to:

- Conduct teaching and research into human biomechanics.
- Make thorough and reliable measurements of walking gait in order to inform clinical treatment planning.
- Provide analysis and interpretation of measurements to referring clinicians.
- Develop staff and services to pursue these aims to the highest possible standard.

The standard level of reporting provides gait description with basic interpretation. Further clinical interpretation and treatment recommendations are the responsibility of the referring consultant. The Centre also operates a HUMAC Norm isokinetic dynamometer for isolated muscle strength assessment and rehabilitation. We have considerable experience in delivering motion capture and biomechanical analysis of unusual actions in demanding conditions.

Host Institution

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

Staffing

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

Named Staff

	Name	Email	Phone
Main contact	Mark Corbett	m.corbett@worc.ac.uk	01905 855529
Clinical Lead	Tracey Valler-Jones	t.valler-jones@worc.ac.uk	01905 855156
Technical Lead	Joe Bevins	j.bevins@worc.ac.uk	01905 857523

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	Minor	Minor
Neuromuscular disorders	Excluded	Excluded
Orthopaedics	Minor	Minor
Spinal injuries	Excluded	Excluded
Stroke	Major	Excluded
Orthotics	Minor	Minor
Orthotic tuning	Excluded	Excluded
Prosthetics	Excluded	Excluded
Sports	Major	Major
Others (please specify: Custom motion capture Isokinetic dynamometry	Major Minor	Major Minor

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 type="checkbox"/>
Plantar pressure measurement - barefoot	<input type="checkbox"/>
Plantar pressure measurement – in shoe	<input type="checkbox"/>
Energy cost measurement (oxygen/HR)	<input type="checkbox"/>
Balance assessment	<input type="checkbox"/>
Upper limb assessment	<input type="checkbox"/>
Other (please specify)	
Isokinetic dynamometry	<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 type="checkbox"/>