

CURRICULUM VITAE

**Professor Anba
Soopramanien**

MD PhD FRCP

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PERSONAL DETAILS AND FIELDS OF INTEREST

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- Position:** Consultant in Spinal Injuries and Rehabilitation
Medicine
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Website: www.anbasoopramanien.com
- Personal details:** Male, Married, 2 children
Citizen of France and Mauritius
- Languages spoken**
/written: English, French, Creole
- Fields of interest:** Spinal injuries, Spinal cord injuries
Brain injury, Whiplash injuries, Neuro-
Rehabilitation, Digital Health

EMPLOYMENT PROFILE

April 2009: I retired from the NHS at Duke of Cornwall Spinal Treatment Centre (Salisbury).

2005- May 2013: Consultant and Medical Director in Glenside Hospital Neuro-Rehab (Salisbury).

Presently: Locum Consultant in Spinal Injuries and Rehabilitation at Salisbury District Hospital. I have practising privileges at New Hall Hospital (Salisbury) www.newhallhospital.co.uk, Spire Hospital (Southampton) www.spirehealthcare.com/southampton/, Spire Hospital (Bushey) www.spirehealthcare.com/bushey/ Royal Buckinghamshire Hospital (Aylesbury) www.royalbucks.co.uk

I am on the GMC Specialist Register for Rehabilitation Medicine www.gmc-uk.org.

I update my clinical skills by attending and giving lectures, reading specialist literature and participating in international conferences.

I am actively involved in education and research through my affiliation with the University of Bournemouth, where I am a Visiting Professor.

Recently, I have assisted in producing educational films as below:

<http://www.spinalinjurycentre.org.uk> download Outreach DVD.

www.spinalinjury.tv

www.choosingawheelchair.com

www.telerehabilitation.co.uk

I have sponsored a section in the film: www.disabilityandthelaw.com

The “spinalinjury.tv” and ‘choosingawheelchair.com’ films won the 2012 and 2014 International Telly Award respectively, in the Charitable/Not-for-profit category.

PRESENT EMPLOYMENT

Present: Locum Consultant in Spinal Injuries and Rehabilitation Medicine
 Salisbury Foundation NHS Trust
 Odstock Road
 Salisbury
 SP2 8BJ
 www.salisbury.nhs.uk

Consultant in Spinal Injuries and Rehabilitation Medicine
Royal Bucks Hospital
Buckingham Road
Aylesbury
Buckinghamshire
HP19 9AB
www.royalbucks.co.uk

UNIVERSITY AFFILIATION

2007 - present Visiting Professor
Centre for Postgraduate Medical Research and Education
Bournemouth University
Christchurch
Road
Bournemouth
BH1 3LT

PREVIOUS APPOINTMENTS

Sep 2013 – Oct 2015: Consultant in Spinal Injuries and Rehabilitation
Medicine
Private Health Practice
Avon Approach
Salisbury
SP1
www.privatehealthpractice.com

2003- May 2013: **Consultant in Spinal Injuries and Rehabilitation Medicine**
Glenside Neuro-Rehabilitation Hospital
South Newton
Salisbury.
SP2 0QD
www.glensidemanor.co.uk

1 Jan 99- 14 Apr 09 **Consultant in Spinal Injuries and Rehabilitation Medicine**
Duke of Cornwall Spinal Treatment Centre
Salisbury District Hospital, Salisbury, Wiltshire SP2 8BJ
www.spinalinjurycentre.org.uk

31 Dec 96-31 Dec 98 **Consultant in Rehabilitation Medicine**
(Neuro-Rehabilitation, Head Injuries)
Lincoln District Healthcare NHS Trust,

Department of Rehabilitation Medicine Long
Leys Road, Lincoln LNI IFS

- 1 Feb 94-30 Dec 96 **Senior Registrar in Rehabilitation and Spinal Injuries**
Royal National Orthopaedic Hospital, Stanmore, Middlesex.
- 1 June 93-31 Jan 94 **Staff Grade in Rehabilitation Medicine**
Royal Midland Counties Hospital, Leamington Spa
- 1 July 91-31 May 93 International Federation of Red Cross and Red Crescent
Societies (Geneva)
Team Leader / Project Coordinator in Spinal Injury Project,
Bucharest, Romania
- 1 Nov 88-30 June 91 International Committee of Red Cross (Geneva).
Head of Rehabilitation Programmes (Paraplegic Centre
and Orthopaedic Limb Fitting Centre) in Pakistan.

EDUCATION

- 1955-1964 Royal College Port Louis (Mauritius)
- 1966-1981 Bordeaux II University (Undergraduate Medical
Studies) University of Toulouse (Doctorate in
International Law) Bordeaux I University (Higher
Studies in Political Science)
- 1985 Amiens University: MD thesis in Medicine.
- 1985 Started Specialisation in Rehabilitation Medicine (Paris)
- 1988 Moved to Stoke Mandeville Hospital (UK)
- 1994 Specialisation in Rehabilitation Medicine in UK (London
Deanery)
- 1994 European Board Accreditation in Rehabilitation Medicine

QUALIFICATIONS, DIPLOMAS AND DEGREES

2003	Fellow of the Royal College of Physicians (FRCP)
1994	European Board Accreditation in Rehabilitation Medicine
1990	Diploma in Medical Rehabilitation - London
1985	M.D. (Doctorat d'Etat en Medecine) - Amiens, France
1981	Equivalent of MBBS (Bordeaux) - France
1985	CES (Specialist Degree) in Sports Medicine - Amiens, France
1979	WHO sponsored "Diplome d'Etudes Superieures en Ecologie Humaine" in Bordeaux (Human Ecology Studies)
1978	MSc in Human Biology (Maitrise de Biologie Humaine) Bordeaux- France.
1978	Diploma in Tropical Ecology and Epidemiology - France
1978	Political Sciences Postgraduate Studies - Bordeaux, France
1977	Ph.D. (Doctorat de droit) in <i>International Law</i> Toulouse (France)
1971	Diploma in International Studies - Toulouse, France

MEDICAL TRAINING POSTS:

1 Feb 94 - 30 Dec 96	Royal National Orthopaedic Hospital, Stanmore, Middlesex
1 Nov 87 - 31 Oct 88	National Spinal Injuries Centre, Stoke Mandeville Hospital
1 July 87 - 31 Oct 87	Centre of Hydrology and Climatology Rehabilitation Cauterets 65, France
1 Apr 86 - 1 July 87	Department of Rehabilitation, Asnieres 92, France General Rehabilitation
1 Apr 85 - 31 Mar 86	Centre de Reeducation Neurologique, Coubert, France 100 bed Neurological Rehabilitation Unit (Spinal Cord Injury)
1 Nov 84 - 31 Mar 85	Centre Jacques Arnaud, Bouffemont, France

Spinal Cord Injury, Stroke, Acquired Brain Injury

31 Oct 82 - 31 Oct 84

Centre de Reeducation, Beauvais, France
Orthopaedic and Neurological Rehabilitation

MEMBERSHIPS OF PROFESSIONAL BODIES and NGOs

- ❖ Founder member and Chairman NEURAM (**NEU**ro-**R**ehabilitation **A**ction (**M**auritius) www.neuram.org. NEURAM is a charity, which has been set up to offer neuro-rehabilitation facilities in Mauritius.
- ❖ Executive Member, African Spinal Cord Injury Network (AFSCIN)
- ❖ Honorary Secretary of “Telemedicine and e-health” section of Royal Society of Medicine (London) - 2012-2015
<http://www.rsm.ac.uk/academ/fmttelem.php>
- ❖ Fellow of the Royal College of Physicians (FRCP) www.rcplondon.ac.uk
- ❖ Fellow of the International Spinal Cord Society (ISCOS) www.iscos.org.uk
- ❖ Member of the World Federation of Neuro-Rehabilitation (WFNR)
www.wfnr.co.uk
- ❖ Member of the British Society of Rehabilitation Medicine (BSRM) www.bsrn.co.uk
- ❖ Founder member and past vice-chairman Headway Salisbury <http://www.salisburyheadway.co.uk>
- ❖ Trustee for Southern Spinal Injuries Trust (SSIT) www.ssit.org.uk (2007-16)
- ❖ Member of Academy- Mauritius Academy of Science and Technology
www.interacademies.net/Academies/ByRegion/Africa/Mauritius.aspx

TRAINING AND TEACHING

- ❖ 17 May 2017- Guest Speaker on “How Digital Health can help catastrophically injured people”- APIL Advanced Brain and Spinal Cord Injury Conference- Warwick-UK
- ❖ October 2017: Attended the Annual Conference of “International Spinal Cord Society” (ISCOS) –Dublin – Ireland

- ❖ September 2016- Presented a poster on Spinal Injury Care in Mauritius at Annual “International Spinal Cord Society” (ISCOS) in Vienna- Austria
- ❖ 11 June 2015: Lecture on ‘Pain Management in Spinal Cord Injury’ in Spinal Injuries Association www.spinal.co.uk- Southampton. UK
- ❖ 19 May 2015: Lecture to lawyers on ‘Follow-up care in spinal cord and brain injuries’ in Southampton, www.blakemorgan.co.uk
- ❖ Accredited trainer in Rehabilitation Medicine for European Board of Rehabilitation Medicine
- ❖ Educational Supervisor for Specialist Registrars in Rehabilitation Medicine (2002- 2009)
- ❖ Trainer for Medical Students (one-day seminars) Wessex Deanery.
- ❖ 2007: Organised an Outreach Conference on Spinal Cord Injury in Postgraduate Centre, Salisbury. www.conventus.com/docstc
- ❖ Supervision of research and audit for trainees:
- ❖ Fertility in Spinal Cord Injury men.
- ❖ Treatment of autonomic dysreflexia.
- ❖ Assessment and management of osteoporosis in spinal cord injury.
- ❖ Bone density management in Spinal Cord Injury.
- ❖ *Jan 09 to May 2013:* Prepared and delivered in-house lectures on Spinal Cord Injury, Rehabilitation of Guillain-Barre Syndrome, middle-cerebral artery stroke, anoxic brain injury, respiratory management in the neurologically compromised patient, indication and management of Baclofen pumps.
- ❖ *Present:* Invited speaker on topics of Spinal Rehabilitation, eHealth and Telemedicine.

NATIONAL-INTERNATIONAL ACTIVITIES-RELATED PUBLICATIONS (TO 2005)

- ❖ 1983: Participating author in 2 books on “Traditional pharmacopoeia” in Mauritius (and Rodrigues) and Seychelles respectively. The missions in these countries were financed by ACCT (Agence de Cooperation, Culturelle et

Technique) based in Paris.

ACCT- Mauritius and Rodrigues 216 p. ISBN 92-9028-

047-6 ACCT-Seychelles 186 p. ISBN 92-9028-038-7

- ❖ 1983: Participated in a workshop in Dakar (Senegal) under the auspices of UNESCO and presented a paper on “Blending Traditional and Modern Medicine”. (Pr Combart de Lauwe, Paris, called the meeting). Book published.
- ❖ 1984: Member of working party on “Social Sciences and Health” (Pr Paul-Henry Chombart de Lauwe).
- ❖ 1985: Co-author in “Contribution aux études ethnobotaniques et floristiques à la Dominique (Commonwealth of Dominica)”. This is within the series on “Traditional Medicine and Pharmacopoeia” sponsored by ACCT. ACCT-402 p. ISBN 92.9028.081.6
- ❖ 1988-91: ICRC (International Committee of Red Cross). Head of Rehabilitation Services in Pakistan (Delegation for Afghan refugees) in Peshawar. Use of low-cost technology to treat spinal cord injured patients, in the purpose-built 100 bed unit; build wheelchairs, rehabilitation aids and worked closely with WHO and NGOs.
- ❖ 1991: Teaching in Indian Spinal Centre, on aspects of Spinal Cord Injuries.
- ❖ 1991: Many reports to the International Red Cross on Epidemiology and disease pattern (confidential and unpublished).
- ❖ 1991: Production of a film (spinal cord injury) on the Peshawar project (ICRC Geneva).
- ❖ 1991-1993: IFRC (International Federation of Red Cross). Setting up of Spinal Unit in Bucharest one day after Romanian Revolution. Headed a team of 9 expatriates, who trained staff to treat spinal cord injured to a high standard using low-cost technology. Organised for a British Charity (Motivation) - run by David Constantine, himself wheelchair dependent - to set up a local factory to build wheelchairs using local material (bicycle wheels, steel, etc) these wheelchairs are low-cost and by year 2005 more than 10,000 such wheelchairs had been produced.
- ❖ 1993: Wrote a chapter in book “Blinding Weapons” by ICRC (Geneva). Meeting of Experts. Chapter dealt with issues of war injuries (Spinal Cord Injuries) in Afghanistan.
 - ICRC- 372 p. ISBN 2-88145-048-2
- ❖ 1993: participated in an International Conference in Neurosurgery in Bucharest, produced videos and lectured on prevention of spinal cord

- injuries, treatment of spinal cord injuries using relatives of patients.
- ❖ Published 3 articles on Romanian Spinal Injury Project.
- ❖ Soopramanien A (1993) Red Cross Spinal Injury Project in Bucharest, Romania. Paraplegia 31: 521-6
- ❖ Soopramanien A (1994). Epidemiology of Spinal Injuries in Romania. Paraplegia 32:715-22. Nov
- ❖ Soopramanien A, Soopramanien K (1995): A medico-social survey of Romanians with Spinal Cord Injury. Paraplegia 33:49-54
- ❖ (1993 to 1997: concentrated on meeting the requirements to become a Consultant in the UK and therefore did not participate in any further international activities.)
- ❖ 1998: Chair of a Lincoln County wide **survey** (with all continence nurses/advisers) on the use of long-term urinary catheters in the Community. Data presented in a Conference in Bristol in April 2005.
- ❖ June 2001, Reykjavik (Iceland): invited speaker in a meeting organised between Icelandic Health Authorities and WHO to explore treatment options for Spinal Cord Injury. It was an initiative to encourage collaboration between conventional medicine and other modalities of treatment.
<http://www.healingtherapies.info/WHO.htm>
- ❖ As a consequence of this meeting, Dr. Gro Harlem Brundtland, Director-General, WHO has mandated the creation of a WHO Collaborating Centre to be located in Reykjavik, Iceland.
- ❖ Since that meeting a network was set up to include traditional and non-conventional treatment (e.g. offered by Mr Albert Bohbot, <http://www.laserpuncture.net> who uses Laserpuncture) to help Spinal Cord Injured patients.
- ❖ 2003: Chapter on Spinal Cord Injury in the Developing world, in the ABC of Spinal Cord Injury published by BMJ Publishing Group - June 2002.
 - BMJ Books- 88 p. ISBN 072791518
- ❖ 2003-2005: Focus has been on multi-centre research on Telerehabilitation (see below). www.thrive-project.net
- ❖ Anba Soopramanien, et al (2005) Using telemedicine to provide post discharge support for patients with spinal cord injuries. J Telemed Telecare. 2005;11 Suppl 1:68-70

PUBLICATIONS / ACTIVITIES (from 2006)

- ❖ 2006 March: Guest speaker at Indian Spinal Cord Society (ISSICON) <http://scs-issic.com/issicon2006.htm>. One paper was “Can Telemedicine help in Spinal Cord Injury Management?” This is an area that I am exploring within an RCT, funded by European Union.
- ❖ Organised Outreach Conference to improve care of spinal cord injury in the community www.conventus.com/dostc.
- ❖ Soopramanien A et al: TeleMed and eHealth '06: Outcome from a randomised controlled trial of Tele-rehabilitation with spinal cord injured people.
- ❖ Pain, H, Soopramanien, A. et al (2007) “Outcomes from a randomised controlled trial of tele-rehabilitation for people with spinal cord injuries” in *Journal of Telemedicine and Telecare*, 13, (Supplement 1), 46-48.
- ❖ 2007: Produced a DVD on Management of Spinal Cord Injury. This DVD is now available on Spinal Cord Injury website: www.spinalinjurycentre.org.uk
- ❖ Soopramanien A & Pain H (09.02.07): The use of video-link technology as a tool in providing post-discharge support. Presentation to Salisbury District Hospital.
- ❖ Soopramanien A (16.03.07): Educational Supervisor for Wessex Deanery: Rehabilitation After Spinal Cord Injury.
- ❖ 24-25.05.07: Invited faculty on European Interschool on Wound Healing - Southampton University. www.conventus.com/interschool
- ❖ 25-28.09.07: Invited faculty for European Tissue Repair Society (ETRS) in Southampton. www.conventus.com/etrs
- ❖ Nov 2007: “This house believes that the contribution of eHealth is critical to the success of self care programmes” Debate at Royal Society of Medicine, London Proposers: Karl Stroetmann and Anba Soopramanien.
- ❖ Soopramanien A & Vandobona S (15.07.08): Rehabilitation Medicine SpR Training day on pressure ulcers and swallowing.
- ❖ Soopramanien A & Levene P (08.01.08): Briefing and Discussion Document Managing Patients with Spinal Cord Injury - Salisbury District Hospital.
- ❖ Soopramanien A & Holton V (28.11.08): Report on Outpatient feedback

on Telemedicine: Salisbury District Hospital.

- ❖ Dec 08: Laura Dallolio, Mauro Menarini, Sandra China, Manfredi Ventura, Andy Stainthorpe, **Anba Soopramanien**, Paola Rucci, Maria Pia Fantini “Functional and clinical outcomes of telemedicine in patients with spinal cord injury” in Arch Phys Med Rehabil. 2008 Dec ;89 (12):2332-41
- ❖ Soopramanien A (January 2009): Guest speaker in International Conference in Nantes on Brain Injury (France): “Traumatismes crâniens en Grande Bretagne”.
- ❖ Soopramanien A: (12.01.09): Lecture for doctors in Salisbury: Fertility in Spinal Cord Injury.
- ❖ Soopramanien A, Cook C, Monks N, Fountain S: presentation to Salisbury District Hospital on “A Baby!” on the joint programme I was running with Salisbury Fertility Centre.
- ❖ Soopramanien A (28.01.09): Presentation to F2 Medical Doctors Salisbury on Spinal Cord Injury and Rehabilitation Medicine.
- ❖ Soopramanien A (12.03.09): Document to Management of Spinal Centre, Salisbury District Hospital on “Telemedicine: the way forward”.
- ❖ Soopramanien A (19.03.09): Presentation to the Heads of Department of Spinal Centre on “BID for Telemedicine- DOCSTC”.
- ❖ Soopramanien A (March 09): Audit of use of Nifedipine and Autonomic Dysreflexia in 11 UK Spinal Centres.
- ❖ April 09: change of career, as retired from NHS to increase hours in Glenside Hospital for Neuro-Rehabilitation. The main activities have been “in-house” preparing protocols and lectures to staff in new High Dependency Ward. The latter opened in April 2010).
- ❖ Soopramanien A & King R (22.04.09): Presentation to Glenside Hospital for Neuro- Rehabilitation on “Telemedicine and Rehabilitation using Netviewer”.
- ❖ Soopramanien A (03.05.09): Presentation to Glenside: “Innovations at Glenside. Using Telemedicine to enhance Clinical Care and communications”.
- ❖ Soopramanien A (19.06.09): Oral presentation at annual Guttmann Conference on Spinal Cord Injury - Cardiff - on “ Using Telemedicine to improve services in Spinal Cord Injury”.
- ❖ Soopramanien A & Maanoossi M (14.07.09): Supervised SpR audit on Urodynamics and neurologic bladder.

- ❖ Soopramanien A (2010): “Traumatic Spinal Cord Injuries” in Medico-Legal Reporting in Orthopaedic Trauma by Foy and Fagg, Elsevier Ed. ISBN- 978-0-443- 06833-1.
- ❖ November 10: Produced a DVD on the Consequences of Spinal Cord Injury on Patients and Relatives/carers - (with Marcus Dillistone, Managing Director of Glory Films UK. www.glory.co.uk)
 - DVD is available on www.spinalinjury.tv/. It has received an International award.
- ❖ Soopramanien A (2011): “Assessment of swallowing and use of Percutaneous Endoscopic Gastrostomy (PEG)” Lecture at MS Trust Conference, Kenilworth (November 2011).
- ❖ 15-17 March 2012: Attended 13th International Conference on Home Mechanical Ventilation- Barcelona- Spain.
- ❖ Soopramanien A (2012): “Trauma Care in Countries with Few Resources” Lecture at BSRM (British Society of Rehabilitation Medicine) Summer Conference, Southampton (June 2012).
- ❖ Soopramanien A (2012) “Pressure Ulcers in Neurologically Compromised Patients” in “Measurements in Wound Healing: Science and the Management” Ed, Pr Raj Mani (Southampton), Springer ed.- ISBN 978-1-4471-2986-8
- ❖ Soopramanien A (July 2012) “Mauritius Calling: Medical Care and Neurorehabilitation Needs in an Oceanic Idyll” in Arch Phys Med Rehabil Vol 93: 2377-81- December 2012.
- ❖ Four papers have been sent to peer-reviewed journals for consideration of publication.

RESEARCH ON TELEMEDICINE & TELEHEALTH

- ❖ Randomised controlled trial (RCT) on the use of Telemedicine in Spinal Cord Injured patients. 134 patients were recruited in the 3 countries: www.thrive-project.org. The study explored issues of **quality of life, cost benefit** and was completed on 31st October 2006. Results were published:
- ❖ 2005: Soopramanien A et al: “Using telemedicine to support spinal-injured patients after discharge” in Journal of Telemedicine and Telecare 2005; 11 (suppl.1): S1:68- 70
- ❖ 2006 Feb: Paper at the World Federation Of Neuro-Rehabilitation in Hong

Kong on 13th: http://www.wfnr.co.uk/docs/congress_world.htm on "Telerehabilitation in Spinal Cord Injuries".

- ❖ 2006 March: Paper presented in Delhi "Can Telemedicine help in the management of Spinal Cord Injury?"
- ❖ 2007: Outcomes from a randomised controlled trial of tele-rehabilitation for people with spinal cord injuries.
Authors: Pain, Helen; Soopramanien, Anba; Dallolio, Laura; Prior, Reinhard; Menarini, Mauro; Ventura, Manfredi; Pia Fantini, Maria; Stainthorpe, Andrew.
Source: [Journal of Telemedicine and Telecare](#), Volume 13, Supplement 1, July 2007 pp. 46-48(3)
- ❖ December 2008 - Archives of Physical Medicine and Rehabilitation - Functional and Clinical Outcomes of Telemedicine in Patients With Spinal Cord Injury
Laura Dallolio, Mauro Menarini, Sandra China, Manfredi Ventura, Andy Stainthorpe, Anba Soopramanien, Paola Rucci, Maria Pia Fantini, T.H.R.I.V.E.
Project pages 2332-2341
<http://www.archives-pmr.org/article/S0003-9993%2808%2901483-4/abstract>
- ❖ With the University of Bournemouth we carried out a qualitative analysis on the use of Telemedicine in our population, based on interviews that they will carry out on patients who have used the telemedicine kit. ("An evaluation of Telemedicine to provide post-discharge support for patients with spinal cord injury,"
- Chris Vincent, Pr Kate Galvin, Pr Les Todres).

RECENT ACTIVITIES:

- ❖ ALIP2 Evaluation: 1st October 2009-31st December 2012, Evaluation of Health Hub to support patients with neurological disability and the elderly in the community.
<https://www.technologyprogramme.org.uk/extranet/competitions/InnovationPlatforms/ALIP2/Documents/TSBSmartCareEnvironment2.0.pdf>
As part of this evaluation I carried out an online consultation with professionals and service users using SurveyMonkey:
<http://www.surveymonkey.com/s/CN5767Y>
This evaluation was partly funded by Technology Strategy Board, a UK Government Agency. I was one of 6 lead investigators.
- ❖ Worked closely with Mauritius Research Council (Dr A. Suddhoo, Dr N. Gopaul and their researcher - Mr. G. White) to implement the findings of a "needs assessment for a Neurological Rehabilitation Centre in Mauritius".

- ❖ Led a Neuro-rehabilitation 'camp' in Mauritius (Nov 2015)
- ❖ Organised a training programme on tissue viability in Mauritius (June 2017).
- ❖ Organised a workshop to train local, vulnerable people to make affordable cushions (September 2017)

FUTURE PLANS: FROM RESEARCH TO MARKET VALIDATION FOR TELEMEDICINE IN THE UK AND BEYOND

In the UK

Preparing a paper on Digital Health and neurological rehabilitation. to include:-

- ❖ Support to clinicians/hospitals for acute spinal cord injury and other neurological conditions.
- ❖ Support to patients/relatives pending admission to a neurological centre.
- ❖ Remote teaching on issues of neurological rehabilitation.
- ❖ Manning outreach clinics (with remote access to clinicians and diagnostic tools).
- ❖ Follow up of patients after discharge from hospital (face-to-face contact, and monitoring of vital signs with sensors).

Beyond the UK:

Explore the global use of Digital Health in Neuro-Rehabilitation.