



香港物理治療學會
HONG KONG
PHYSIOTHERAPY
ASSOCIATION



Glocalisation of WHO's ICF in Clinical Practice

Worldwide Experience Sharing

/ Welcoming speech 1 /

P3

/ Welcoming speech 2 /

P4

/ Conference Rundown /

P5

/ Pre conference workshop /

P7

/ Speaker /

P8

/ Plenary Discussion Forums 1 & 2 (in-person) /

P24

/ ABSTRACTS OF ORAL PRESENTATIONS /

P25

/ ABSTRACTS OF POSTERS /

P27

Prof. Marco PANG

Affiliations

Chair Professor of Neurorehabilitation, Department of Rehabilitation Sciences, The Hong Kong Polytechnic University
President, Hong Kong Physiotherapy Association



A warm welcome from the Hong Kong Physiotherapy Association! After months of preparation, this conference entitled “Globalisation of the WHO’ s International Classification of Functioning, Disability and Health (ICF) in Clinical Practice: Worldwide Experience Sharing” has finally come to fruition. This is a very special occasion, because the two organisers, namely, the Hong Kong Physiotherapy Association (HKPA) and SAHK, are celebrating their 60th Anniversary this year. This international conference serves as the wrap-up event of the yearlong celebration of both organisations.

The theme of this conference is very much aligned with the motto of HKPA “Uniting physiotherapists, advancing practice and enhancing health”. The clinical application of ICF is certainly an important step in advancing our practice as healthcare professionals. Implementation of ICF may also promote the quality of rehabilitation services for people in need, thereby enhancing their health and functioning.

The Organising Committee has put together a substantive programme that covers various aspects related to the applications of ICF. The conference features a number of renowned plenary speakers from different parts of the globe. The programme also contains two parallel sessions featuring experts from different disciplines and different regions, making this conference a truly international and interdisciplinary event.

Apart from the plenary lectures and parallel sessions, we also have two discussion forums, one on “Strategic Recommendations for the Implementation of ICF in Clinical Practice”, and another one on “Critical Factors for Reaping Successful Outcomes of ICF services: From Initial Kick-off to Ongoing Implementation”. These forums provide an excellent platform for us to exchange ideas. It is hoped that through the discussion, we can gain important insights in implementation of ICF in local settings.

I would like to express my sincere gratitude to the Commissioner for Rehabilitation, Ms Vega WONG JP, to be the officiating guest of the event.

I would also like to thank SAHK for co-organising this meaningful event with us. Throughout the process, SAHK has been providing tremendous support in all aspects of the preparation. This event would not have been possible without their support.

I sincerely hope that you would enjoy the rich conference programme that we have prepared for you and take home some insights that can inspire you to apply ICF in our own work settings. Thank you!

Mr David Po-wing YAU

Vice-Chairperson, Council, SAHK
Chairperson, Community Support Service Management Committee, SAHK



Commissioner for Rehabilitation Ms Vega WONG, Chairman of the Hong Kong Physiotherapy Association Professor Marco PANG, Distinguished Speakers and Guests, ladies and gentlemen,

Good morning! It's wonderful to see you all. It is really amazing that the Hong Kong Physiotherapy Association and SAHK are both celebrating sixty years of service to Hong Kong in the same year this year! So, to mark this very special occasion, and as the most exciting finale of the Diamond Jubilee programmes of both organisations, we are jointly organising these Seminar and Lectures series on "Globalisation of the WHO's International Classification of Functioning, Disability and Health (ICF) in Clinical Practice: Worldwide Experience Sharing". It is therefore my great pleasure, on behalf of SAHK, to welcome all of you, from abroad, Hong Kong and the Mainland, to participate in this Seminar.

One of the strategic recommendations set out in the Hong Kong Rehabilitation Programme Plan formulated by the Government of the Hong Kong Special Administrative Region is to apply ICF in community rehabilitation and support services. The implementation of ICF signifies a paradigm shift, from a professionally-driven, highly specialised approach, to a person-centred, holistic and inter-professional collaborative approach, in the design and delivery of rehabilitation services for community-dwelling individuals who live with lifelong, or long-term disabilities, myself included!

In recent years, many NGOs in Hong Kong started to pioneer ICF applications in community rehabilitation services. SAHK, being one of the leading rehabilitation organisations in the local context, is definitely on the list. Apart from clinical applications of ICF in various service settings, we had also participated in the ICF core set development for adults with cerebral palsy, led by the ICF Research Branch of Switzerland, from 2018 to 2021. Moreover, I am pleased to share with you that, our Association has been selected by the Hong Kong Social Welfare Department, and funded by the Lotteries Fund, as one of two operators of two Pilot Integrated Community Rehabilitation Centres, with adoption of ICF. This signifies a new milestone for local ICF development. These two Centres have already commenced services respectively in August and September. It is now definitely a high time to have more in-depth sharing between local healthcare professionals and overseas leading ICF experts, so as to facilitate a smooth and successful roll-out of the local ICF roadmap, that is in alignment with international practice.

This Seminar consists of a total of 3-days' stimulating programmes. To give you an idea of what you can expect and what we hope to achieve over these three days, the programmes offer nearly 30 presentations, including plenary lectures, parallel symposia, panel discussions, as well as free paper sessions, together with the pre- and post-conference workshops, and the pre-conference consultation visits, by the non-local plenary speakers, to 3 different nature of ICF-based service units operated by the major pioneering NGOs advocating ICF in Hong Kong. The free paper presentations cover current ICF-related research, education, and service provision carried out in hospitals, NGOs, and academic institutes in Hong Kong and the Mainland. I think we all present here should give the Organising Committee of this Seminar a big round of applause as that will be the right toast to their untiring efforts, accomplishments and success for bringing the event to fruition.

Last but not least, tomorrow is the International Day of People with Disability, and the theme this year is "United in action to rescue and achieve the Sustainable Development Goals for, with and by persons with disabilities". I sincerely hope that this Seminar will turn a new page for a sustainable development of ICF in local rehabilitation services for persons with disabilities.

Thank you.

Conference Date: 2 December 2023 (Saturday)
Conference Venue: 9/F Auditorium, The Hong Kong Federation of Youth Groups Building
21 Pak Fuk Road, North Point, Hong Kong (1-minute walk from the Exit C of the Quarry MTR Station)

| Time | Session and Lecture Title | | Speaker |
|--------------------|--|---|---|
| 09:00 – 09:30 | Registration | | |
| 09:30 – 09:45 | Opening Speeches by the Organisers and Officiating Guests | | |
| 09:45 – 10:00 | Opening Ceremony | | |
| 10:00 – 11:30 | Plenary Lectures 1-3 (in-person) | | |
| | The human functioning revolution: Implications for health systems and sciences | | Prof. Gerold STUCKI |
| | Functioning and disability from ICDH to ICF: Worldwide Experience after Two Decades of Implementation | | Dr Matilde LEONARDI |
| | Clinical guidance for ICF-based rehabilitation and documentation | | Prof. Reuben ESCORPIZO |
| 11:30 – 12:00 | Morning Tea Break | | |
| 12:00 – 13:30 | Plenary Lectures 4-6 (in-person) | | |
| | Adoption of the ICF Rehabilitation Set (Generic-30) as the national standard 採用功能障礙 ICF 核心組合 (通用版 - 30) 作為國家標準的中國經驗 | | Prof. Tiebin YAN 燕鐵斌教授 |
| | Implementation of the ICF in people with disability, Our 10-year Local Experience | | Prof. Peter Tsan-hon LIOU 劉燦宏教授 |
| | Integration of pedagogical approaches in the rehabilitation process under the ICF framework | | Dr Ivan Yuen-wang SU 黃源宏博士 |
| 13:30 – 14:30 | Lunch | | |
| 14:30 – 16:00 | Parallel Session | | |
| Parallel Session 1 | Adult Onset Conditions | Online | Development of Rating Reference Guide for the ICF qualifiers: Japanese Initiative Prof. Masahiko MUKAINO 向野雅彥教授 |
| | | | Use of the ICF-based functional profile in assistive device and home modification prescription, implementation, and evaluation Dr Sirinart TONGSIRI |
| | | | Leveraging ICF and ISO 9999 to develop professional services and subsidies for assistive products for people with disabilities in social welfare and long-term care systems: our local practical experience 利用 ICF 和 ISO 9999 為社會福利和長期照護體系中的障礙者輔具開發專業服務與補助：我們的實踐經驗 Dr Shwn-jen LEE 李淑貞副教授 (in Mandarin) |
| | In-person | Application of ICF-based system on the implementation of paratransit services in Hong Kong Dr Sam Chi-chung CHAN 陳子頌副教授 | |

| | | | | |
|--------------------|--|-----------|--|--|
| Parallel Session 2 | Childhood Onset Conditions | Online | Improving function and achieving goals in cerebral palsy: best practice guidelines | Dr Michelle JACKMAN |
| | | | Children with disabilities: Environmental factors and the International Classification of Functioning | Dr Olaf KRAUS de CAMARGO |
| | | | The use of pedagogical methods in designing, meaningful tasks and organising daily routine to enhance knowledge application and undertake tasks and challenges | Ms Lily Hau-fang LIAO 廖華芳副教授 |
| | | | Application of ICF-based system on the implementation of paratransit services in Hong Kong | Dr Sam Chi-chung CHAN 陳子頌副教授 |
| | | | The use of pedagogical methods in designing, meaningful tasks and organising daily routine to enhance knowledge application and undertake tasks and challenges | Ms Luca Sára ANTONI |
| Parallel Session 3 | Free Paper | in-person | 4 oral presentations | |
| 16:30 – 18:15 | Plenary Discussion Forums 1 & 2 (in-person) | | | |
| 16:30 – 17:15 | 1. Strategic Recommendations for the Implementation of ICF in Clinical Practice <i>Panel Members:</i> Prof. Gerold STUCKI Prof. Reuben ESCORPIZO Prof. Peter Tsan-Hon LIOU 劉燦宏教授 | | Dr Matilde LEONARDI Prof. Tiebin YAN 燕鐵斌教授 | <i>Panel Chair:</i> Prof. Marco Yiu-chung PANG 彭耀宗講座教授 |
| 17:30 – 18:15 | 2. Critical Factors for Reaping Successful Outcomes of ICF services: From Initial Kick-off to Ongoing Implementation <i>Panel Members:</i> Dr Sam Chi-chung CHAN 陳子頌副教授 Mr Mike Kwun-ting CHEUHG 張冠庭先生 Mr Tony Hoi-hong CHAN 陳凱匡先生 Dr Ivan Yuen-wang SU 黃源宏教授 | | | <i>Panel Chair:</i> Dr Doris Yin-kei CHONG 莊硯琦副教授 |
| 18:15 – 18:30 | Closing Remarks | | | |

Theme: Globalisation of the WHO' s International Classification of Functioning, Disability and Health (ICF) in Clinical Practice: Worldwide Experience Sharing
Media: English
Registration Fee: HK\$400@ for each Workshop (at early bird rate on or before 10 November 2023)

Workshop Date: 1 December 2023 (Friday)
Workshop Venue: Room , /F, The Hong Kong Federation of Youth Groups Building
 21 Pak Fuk Road, North Point, Hong Kong (1-minute walk from the Exit C of the Quarry MTR Station)

Pre-Conference Workshop

| Time | Title | Speaker |
|---------------|---|---------------------|
| 19:00 – 21:00 | Using the ICF for the assessment and reporting of patient functioning and outcome of rehabilitation interventions | Prof. Gerold STUCKI |

Workshop Date: 4 December 2023 (Monday)
Workshop Venue: Room , /F, The Hong Kong Federation of Youth Groups Building
 21 Pak Fuk Road, North Point, Hong Kong (1-minute walk from the Exit C of the Quarry MTR Station)

Post-Conference Workshops

| Time | Title | Speaker |
|---------------|---|------------------------|
| 09:30 – 11:30 | The use of ICF and WHO DAS 2.0 to promote interprofessional collaboration in neurorehabilitation from assessment to setting goals, programming and evaluation | Dr Matilde LEONARDI |
| 15:30 – 17:30 | Role of physiotherapists to optimize patient participation outcome from the ICF perspective | Prof. Reuben ESCORPIZO |

Prof. Gerold STUCKI

Affiliations

Professor, Faculty of Health Sciences and Medicine, University of Lucerne
 Director, ICF Research Branch
 Director, Swiss Paraplegic Research



Biography

Gerold Stucki is Professor in the Faculty of Health Sciences and Medicine at the University of Lucerne and Director of Swiss Paraplegic Research and the ICF Research Branch in Switzerland. He is a physician with clinical training in Physical and Rehabilitation Medicine and Rheumatology, and holds a Master of Science in Health Policy and Management from the Harvard School of Public Health (USA) and a diploma in Biostatistics and Epidemiology from the University of McGill (Canada). In the context of Prof. Stucki's research agenda in human functioning and rehabilitation that supports a more comprehensive understanding of the health and person-centered care, he has been collaborating with the World Health Organisation (WHO) in an international effort to implement the International Classification of Functioning, Disability and Health (ICF) in healthcare and beyond. To facilitate human functioning sciences research, Prof. Stucki initiated the ICF Research Branch (www.icf-research-branch.org) as an international research network under the auspices of the WHO. In 2012, Prof. Stucki received the honour of becoming a Foreign Associate of the National Academy of Medicine (USA). In light of WHO's Rehabilitation 2030 Call for Action, Prof. Stucki established the "Center for Rehabilitation in Global Health Systems", a WHO Collaborating Center at the University of Lucerne.

Lecturing Itinerary

| | |
|-----------------------------------|---|
| Date | 1 December 2023 (Friday) |
| Consultation Visits | |
| Time | 09:30 – 16:00 |
| Tour | Visiting 3 local ICF-based service units |
| Pre-conference Workshop | |
| Time | 19:00 – 21:00 |
| Tour | Using the ICF for the assessment and reporting of patient functioning and outcome of rehabilitation interventions |
| Date | 2 December 2023 (Saturday) |
| Plenary Lecture 1 | |
| Time | 10:00 – 10:30 |
| Topic | The human functioning revolution: Implications for health systems and sciences |
| Plenary Discussion Forum 1 | |
| Time | 16:30 – 17:15 |
| Topic | Strategic Recommendations for the Implementation of ICF in Clinical Practice |

Dr Matilde LEONARDI

Affiliations

Director of Neurology, Public health, Disability Department and Coma Research Centre, Carlo Besta Neurological Institute
 Director, Italian WHO-Collaborating Centre Research Branch-Besta
 Member, WHO Functioning and Disability Reference Group



Biography

Neurologist, paediatrician, neonatologist, and child neurologist. Specialised in Bioethics. WFNR Presidium member, WFNR Flying Faculty; One Neurology Ambassador; EAN Chair Communication Committee and Board member; and FEAN Fellow of the European Academy of Neurology. WFN Board member of Advocacy; EFRR board member; WHO expert on disability and neurology. Co-chair, WHO NeuroCovid Forum. Corresponding member, Pontificia Academia Pro Vita. Board of Directors of Bioethics Centre at Catholic University of Milan. Member of National Bioethics Committee.
 Developing research projects related to burden of diseases, neurology (mainly on disorder of consciousness and headaches), NeuroCovid, neurorehabilitation, disability, ageing, WHO's International Classification of Functioning, Disability and Health (ICF) and related instruments, neurorehabilitation in emergencies.
 More than 280 scientific publications on related topics. Italian excellence of research 2019, between 100 national excellences.

Lecturing Itinerary

| | |
|-----------------------------------|---|
| Date | 1 December 2023 (Friday) |
| Consultation Visits | |
| Time | 09:30 – 16:00 |
| Tour | Visiting 3 local ICF-based service units |
| Date | 2 December 2023 (Saturday) |
| Plenary Lecture 2 | |
| Time | 10:30 – 11:00 |
| Tour | Functioning and disability from ICIDH to ICF: Worldwide Experience after Two Decades of Implementation |
| Plenary Discussion Forum 1 | |
| Time | 16:30 – 17:15 |
| Topic | Strategic Recommendations for the Implementation of ICF in Clinical Practice |
| Date | 4 December 2023 (Monday) |
| Post-conference Workshop 1 | |
| Time | 09:30 – 11:30 |
| Topic | The use of ICF and WHO DAS 2.0 to promote interprofessional collaboration in neurorehabilitation from assessment to setting goals, programming and evaluation |

Prof. Reuben ESCORPIZO

Affiliations

Professor and Chair, Department of Rehabilitation and Movement Science, The University of Vermont Member, International Spinal Cord Injury Community Study Scientific Committee Section Chief Editor, 'Disability, Rehabilitation, and Inclusion' section of the Frontiers in Rehabilitation Sciences



Biography

Prof. Reuben Escorpizo is a rehabilitation clinician scientist and academic with established work in the biopsychosocial framework of the WHO International Classification of Functioning, Disability and Health (ICF), methodology, and outcomes measurement. Prof. Escorpizo is consulted nationally and internationally in relation to teaching, practice, and research of rehabilitation, physical therapy, outcome measurement, instrument development and validation, and the ICF. He is a leading figure in international efforts to investigate the biopsychosocial evaluation of functioning and disability using quantitative, classical psychometrics and item response theory, and qualitative approaches. He has published 1 book, 22 book chapters/e-chapters, over 130 publications, and has numerous invited keynotes and visiting professorships. He has been invited to international scientific committees and task forces like the ICF-Pain Task Force of the International Association for the Study of Pain, the International SCI Community Study, the ISCOS Core Data Set Committee for Vocational Rehabilitation, and the OMERACT Worker Productivity Group, and the Contextual Factors Group. He co-developed the Work Rehabilitation Questionnaire (WORQ), a questionnaire used in rehabilitation settings and translated into multiple languages worldwide.

Lecturing Itinerary

| | |
|-----------------------------------|---|
| <i>Date</i> | 1 December 2023 (Friday) |
| Consultation Visits | |
| <i>Time</i> | 09:30 – 16:00 |
| <i>Tour</i> | Visiting 3 local ICF-based service units |
| <i>Date</i> | 2 December 2023 (Saturday) |
| Plenary Lecture 3 | |
| <i>Time</i> | 10:30 – 11:00 |
| <i>Tour</i> | Clinical guidance for ICF-based rehabilitation and documentation |
| Plenary Discussion Forum 1 | |
| <i>Time</i> | 16:30 – 17:15 |
| <i>Topic</i> | Strategic Recommendations for the Implementation of ICF in Clinical Practice |
| <i>Date</i> | 4 December 2023 (Monday) |
| Post-conference Workshop 2 | |
| <i>Time</i> | 15:30 – 17:30 |
| <i>Topic</i> | Role of physiotherapists to optimise patient participation outcome from the ICF perspective |

Prof. Tiebin YAN 燕鐵斌教授

Affiliations

Professor, Department of Rehabilitation Medicine, Sun Yat-sen Memorial Hospital, Sun Yat-sen University
Vice President, Chinese Association of Rehabilitation Medicine
Principal Investigator, China Standard of International Classification of Functioning, Disability and Health Rehabilitation Set (ICF-RS)



Biography

Graduated from Anhui Medical University with Bachelor degree in 1983, and from the Hong Kong Polytechnic University with PhD degree in 2001. As physiatrist in the Department of Rehabilitation Medicine, first in the Affiliated Hospital of Anhui Medical University Hefei, Anhui Province since 1983, and then in Sun Yat-sen Memorial Hospital, Sun Yat-sen University Guangzhou since 1993.

Main research areas

Application of ICF; Neurorehabilitation especially in motor control and motor recovery.

Principal Investigator of 6 projects of the National Nature Science Foundation of China (NSFC), 2 projects of the Ministry of Education, 4 projects of the Guangdong Bureau of Science and Technology.

Professional affiliations

Vice president, China Association of Rehabilitation Medicine (CARM); Chairman, Standard Committee of CARM.

Editorial affiliations

Associate editor, Heliyon (Cell Press series)

Editorial board member, Neurorehabilitation (United States), International Journal of Neurology Research (United States)

Associate editor-in-chief of 4 Chinese journals: Chinese Journal of Physical Medicine and Rehabilitation, Chinese Journal of Rehabilitation Medicine, Chinese Journal of Rehabilitation, and Rehabilitation Medicine.

Lecturing Itinerary

| | |
|-----------------------------------|---|
| <i>Date</i> | 1 December 2023 (Friday) |
| Consultation Visits | |
| <i>Time</i> | 09:30 – 16:00 |
| <i>Tour</i> | Visiting 3 local ICF-based service units |
| <i>Date</i> | 2 December 2023 (Saturday) |
| Plenary Lecture 4 | |
| <i>Time</i> | 12:00 – 12:30 |
| <i>Tour</i> | Adoption of the ICF Rehabilitation Set (Generic-30) as the National Standard 採用功能障礙 ICF 核心組合 (通用版 -30) 作為國家標準的中國經驗 |
| Plenary Discussion Forum 1 | |
| <i>Time</i> | 16:30 – 17:15 |
| <i>Topic</i> | Strategic Recommendations for the Implementation of ICF in Clinical Practice |

Prof. Peter Tsan-hon LIOU 劉燦宏教授**Affiliations**

Professor, Department of Physical Medicine and Rehabilitation, Taipei Medical University
Deputy Superintendent, Shuang Ho Hospital, Taipei Medical University
Executive Director, Taiwan Society of International Classification of Functioning, Disability and Health (ICF)

**Biography**

I was graduated from Taipei Medical University and earned my PhD degree from NYMU. Currently I am teaching at school of medicine, Taipei Medical University and practicing as a rehabilitation doctor at Shuang Ho Hospital. I was the Principal Investigator of a special task in 2008 which planned to reform the local disability system under a law of "Persons with disabilities rights protection act". I enthusiastically devoted all my time and energy to this project in re-designing the registration framework for people with disabilities in accordance to WHO International Classification of Functioning, Disability and Health (ICF). A new disability system was successfully implemented locally in 2012. Up-to-now, more than 1.2 million of people with disabilities had used this system to apply their benefit and support, including medical equipment, assistive device and pension. As a pioneer in the local field of ICF, I was invited to share the experience of implementation of the ICF among people with disability in 15 countries. I published 200 peer reviewed articles about rehabilitation and 50 of which were related to the ICF.

Lecturing Itinerary

Date 1 December 2023 (Friday)

Consultation Visits

Time 09:30 – 16:00

Tour Visiting 3 local ICF-based service units

Date 2 December 2023 (Saturday)

Plenary Lecture 5

Time 12:30 – 13:00

Tour Implementation of the ICF in People with Disability, Our 10-year Local Experience.

Plenary Discussion Forum 1

Time 16:30 – 17:15

Topic Strategic Recommendations for the Implementation of ICF in Clinical Practice

Dr Ivan Yuen-wang SU 黃源宏博士**Affiliations**

Head (Professional and Programme Development), Head Office, SAHK
Director, SAHK Institute of Rehabilitation Practice

**Biography**

Dr Ivan SU joined SAHK in 1987, servicing primarily adults with childhood-onset physical and intellectual disabilities as well as community-dwelling survivors of chronic disease for more than 30 years. His expertise lies in community rehabilitation and primary healthcare for individuals living with or at the brink of disability. Dr SU is a member of the Kowloon and New Territories South District Health Centre Governing Committee and the Advisory Committee on Primary Care Directory, appointed by the Health Bureau, as well as a member of the Appeal Board for Standardised Assessment for Residential Services for People with Disabilities, appointed by the Social Welfare Department. He is also a member of the Accreditation Panel of the Physiotherapists Board and the Programme Committee of the Doctor of Health Science of The Hong Kong Polytechnic University. Dr SU participated in the development of the ICF core set for adults with cerebral palsy in 2018-2021 and is currently leading a government-subsided pilot project on the use of ICF in an integrated community rehabilitation centre offering day, out-patient, and home-based rehabilitation and support services for community-dwelling individuals living with moderate to severe disabilities. The Centre is the first of its kind in Hong Kong.

Lecturing Itinerary

Date 2 December 2023 (Saturday)

Plenary Lecture 6

Time 13:00 – 13:30

Tour Incorporating pedagogical approaches into conventional rehabilitation process under the ICF framework

Plenary Discussion Forum 2

Time 17:15 – 18:00

Topic Critical Factors for Reaping Successful Outcomes of ICF services: From Initial Kick-off to Ongoing Implementation

Prof. Masahiko MUKAINO 向野 雅彦教授**Affiliations**

and Chairperson, Department of Rehabilitation Medicine, Hokkaido University Hospital
Visiting Professor, Fujita Health University, Toyoake

**Biography**

Dr Masahiko Mukaino is a physiatrist and currently serves as the Professor of the Department of Rehabilitation Medicine at Hokkaido University Hospital. He earned his medical degree from Kyushu University School of Medicine and went on to obtain a PhD from Keio University School of Medicine. Dr Mukaino is a member of the Japanese Society of Rehabilitation Medicine and the International Society of Physical and Rehabilitation Medicine (ISPRM). His primary research interests encompass the clinical implementation of the International Classification of Functioning, Disability, and Health (ICF), motion analysis, activity monitoring, and robotic rehabilitation. Additionally, he holds key positions as the co-chair of the ClinFIT (Clinical Functioning Information Tool) Committee within ISPRM and also serves as the co-chair of the CSAC (Classification and Statistics Advisory Committee)-ICF within the WHO's Family of International Classification Network.

Lecturing Itinerary

Date 2 December 2023 (Saturday)

Parallel Session 1 Lecture 1 (online)

Time 14:30 – 14:50

Tour Development of Rating Reference Guide for the ICF qualifiers: Japanese Initiative

Dr Sirinart TONGSIRI**Affiliations**

Associate Professor, Deputy Dean (Quality Assurance and Research), Faculty of Medicine, Mahasarakham University
Associate Editor, Journal of Alzheimer's Disease

**Biography**

I am a medical rehabilitation doctor by training. At present, I work as a lecturer in the Faculty of Medicine, Mahasarakham University and also a researcher in the People with Disabilities (PWDs) Quality of Life Research Unit aiming to enhance qualities of life of PWDs in the Thai context. My areas of interests include disability studies, community-based rehabilitation (CBR) and the application of the International Classification of Functioning, Disability and Health (ICF) in the development of functioning data of PWDs to help with the resource allocation in and effectively implement comprehensive rehabilitation services.

Lecturing Itinerary

Date 2 December 2023 (Saturday)

Parallel Session 1 Lecture 2 (online)

Time 14:50 – 15:10

Tour Use of the ICF-based functional profile in assistive device and home modification prescription, implementation, and evaluation

Dr Shwn-Jen LEE 李淑貞副教授**Affiliations**

Associate Professor, Department of Physical Therapy and Assistive Technology, NYCU
 Director, The Research Centre on ICF and Assistive Technology, NYCU
 Convener, Organising Committee, The Assistive Technology for Life (ATLife) EXPO

**Biography**

Dr Lee is the director of Research Center on ICF and Assistive Technology, which has been entrusted to establish and manage "Center for Assistive Technology Resources and Popularization (CATR@P)" since 2001, by the Social and Family Affairs Administration of Ministry of Health & Welfare. CATR@P is the only territory-wide centre for integration and popularisation of the resources of assistive technology funded by the government. CATR@P plays a key role on the formulation of territory-wide policies on assistive technology and education and development of the assistive technology related affairs, including services and subsidies in welfare and long-term care.

Dr Lee has been greatly devoted to promoting the provision of needs assessment and assistive technology services and devices to the elderly and persons with disabilities based on the international standard ICF and ISO 9999. In the field of assistive technology promotion and industrialisation, Dr Lee provides consulting, diagnostic and counseling services for college researchers and assistive technology manufacturers in the development of industrial technology products and speed-up industrialisation of the products.

Lecturing Itinerary

Date 2 December 2023 (Saturday)

Parallel Session 1 Lecture 3 (online)

Time 15:10 – 15:30

Tour Leveraging ICF and ISO 9999 to develop professional services and subsidies for assistive products for people with disabilities in social welfare and long-term care systems: our local practical experience
 利用 ICF 和 ISO 9999 為社會福利和長期照護體系中的障礙者輔具開發專業服務與補助：我們的實踐經驗

Presented in Mandarin

Dr Sam Chi Chung CHAN 陳子頌副教授**Affiliations**

Associate Professor, Programme leader of Master in Occupational Therapy Department of Rehabilitation Sciences, The Hong Kong Polytechnic University

**Biography**

Dr Sam Chi Chung Chan is currently an Associate Professor in the Department of Rehabilitation Sciences at the Hong Kong Polytechnic University and the programme leader of the Master in Occupational Therapy Programme. After receiving his first Bachelor degree in Kinesiology at Simon Fraser University, Canada, Dr Chan further pursued the professional qualification of occupational therapist at the Hong Kong Polytechnic University. He practiced as a registered occupational therapist for almost a decade in a rehabilitation hospital in Hong Kong, serving clients with spinal cord injury, orthopaedic conditions, and various medical and geriatric conditions, such as stroke, chronic obstructive pulmonary disease. He further studied a PhD degree in the Hong Kong Polytechnic University. His PhD study focused on the effects and neural processes of executive control on pain perception of people with chronic pain. He also had the opportunity to work as a Research Fellow at the Rotman Research Institute, Toronto, Canada, involved in neuroscience studies on frontal functions. Dr Chan's recent research focuses on community-based rehabilitation programmes for promoting body functions and community participation for people with chronic conditions and therapeutic interventions for enhancing cognitive and motor functions of people with neurological conditions.

Lecturing Itinerary

Date 2 December 2023 (Saturday)

Parallel Session 1 Lecture 4

Time 15:30 – 15:50

Tour Application of ICF-based system on the implementation of paratransit services in Hong Kong

Plenary Discussion Forum 2

Time 17:15 – 18:00

Topic TBC

Dr Michelle JACKMAN

Affiliations

Research Fellow, The Cerebral Palsy Research Institute, The University of Sydney
Occupational Therapist, Paediatric Occupational Therapy Department, John Hunter Children's Hospital



Biography

Michelle has been working in the field of neurodevelopment and early intervention for over 15 years. Michelle is passionate about making a difference in the lives of the children and families we work with, and really strongly believes that evidence-based and family-centred care are the keys to making this happen. Michelle was the lead author on the 'International Clinical Practice Guideline: Interventions that improve physical function for children and young people with cerebral palsy', one of the most highly accessed and cited publications in DMCN in 2022. Michelle is currently leading international implementation strategies regarding best practice in cerebral palsy. Michelle regularly shares her work on an international stage and is excited to share current research with the Hong Kong audience.

Lecturing Itinerary

| | |
|-------------------------------------|--|
| <i>Date</i> | 2 December 2023 (Saturday) |
| Parallel Session 2 Lecture 1 | |
| <i>Time</i> | 14:30 – 14:50 |
| <i>Tour</i> | Improving function and achieving goals in cerebral palsy: best practice guidelines |

Dr Olaf KRAUS de CAMARGO

Affiliations

Associate Professor, Department of Paediatrics, McMaster University, Hamilton
Co-director, CanChild - Centre for Childhood Disability Research
Developmental Paediatrician, Ron Joyce Children's Health Centre



Biography

Dr Kraus de Camargo completed his medical education and pediatric training in Brazil, followed by a residency in Germany where he received training in developmental-behavioural pediatrics and child neurology. Prior to joining the faculty at McMaster, Dr Kraus de Camargo held positions in Germany as a Professor of Social Medicine at the University of Applied Sciences Nordhausen and as CEO and Medical Director of Kinderzentrum Pelzerhaken GmbH, an inpatient and outpatient facility for children with developmental-behavioural disabilities and chronic neurologic disorders.

Dr Kraus de Camargo is the co-director of the CanChild Centre for Childhood Disability Research and a member of MacART (McMaster Autism Research Team). He practices as a developmental pediatrician at the Ron Joyce Children's Health Centre in Hamilton, Ontario.

Since 2001, Olaf Kraus de Camargo has been involved with the implementation of the WHO's International Classification of Functioning, Disability and Health (ICF). He co-edited the book "ICF: A Hands-On Approach for Clinicians and Families". He is a member of the steering committee of PONDA – Physicians of Ontario Neurodevelopmental Advocacy and a member of the Disability Advisory Committee to the Canadian Revenue Agency.

ORCID: <https://orcid.org/0000-0002-7927-7189>

Lecturing Itinerary

| | |
|-------------------------------------|---|
| <i>Date</i> | 2 December 2023 (Saturday) |
| Parallel Session 2 Lecture 2 | |
| <i>Time</i> | 14:50 – 15:10 |
| <i>Tour</i> | Children with disabilities: Environmental factors and the International Classification of Functioning (ICF) |

Ms Lily Hua-Fang LIAO 廖華芳副教授

Affiliations

Adjunct Associate Professor, School of Physical Therapy, NTU
President, Taiwan Society of ICF
President, Chinese Society for Enablement of People with Disabilities



Biography

As a physical therapy pioneer in ICF, Lily has participated physical therapy education at the School and Graduate Institute of Physical Therapy of the NTU and continue local education programmes for more than 40 years. Now she is an Adjunct Associate Professor at NTU, the supervisor of the Taiwan Long-term Care Physical Therapy Association and Executive Director of the Taiwan Association of Child Development Early Intervention, and WHO ICF educator. Her major is pediatric physical therapy, ICF and early childhood intervention. Her research areas are developmental tests for children, physical activity participation for children with disabilities, mastery motivation of children, ICF, community-based and family-centered approach in early intervention, and the local physical therapy history. Lily has developed the ICF-based Functioning Scale of the Disability Evaluation System (FUNDES) for the disability eligibility determination and published more than 40 articles to introduce the FUNDES, ICF/ICF-CY and Early Childhood Intervention in the past 5 years. She is now the initiator of "My Ability First in Taiwan" project to enhance societal participation for people with special needs.

Lecturing Itinerary

| | |
|-------------------------------------|---|
| <i>Date</i> | 2 December 2023 (Saturday) |
| Parallel Session 2 Lecture 3 | |
| <i>Time</i> | 15:10 – 15:30 |
| <i>Tour</i> | Roles of therapists in social and activity participation for children with special needs 治療師在特殊需要兒童的社交和活動參與上所擔當的角色 |
| <i>Presented in</i> | Mandarin |

Ms Luca Sára ANTONI

Affiliations

Visiting Consultant and Lecturer, SAHK Institute of Rehabilitation Practice
Assistant Professor, Semmelweis University
Conductive Education Therapist, Steering Committee Member, Move & Walk



Biography

I am Luca Antoni, a clinical psychologist and Conductive Education Therapist. I have worked for years in both Sweden and Hungary, specializing in child development, with a particular focus on children facing complex challenges.

At Move & Walk in Sweden, I played a pivotal role in the rehabilitative conductive team. My responsibilities included leading group and individual conductive programs for patients with various neurological issues, including Cerebral Palsy, Stroke, Parkinson's, and Multiple Sclerosis, spanning across all age groups from infants to adults. Additionally, I conducted initial assessments and anamnestic interviews, as well as crafted personalized development plans and group schedules.

In Hungary, I worked as an assistant professor at Semmelweis University, actively participating in undergraduate education. In the initial years, my primary focus was on child psychology and developmental psychology. I supervised the scholarship practices of first-year students, assisting them in preparing for their careers in conductive education.

Currently, I am a Visiting Consultant and Lecturer at the SAHK Institute of Rehabilitation Practice, further enhancing my expertise in the field of rehabilitation and child development.

Lecturing Itinerary

| | |
|-------------------------------------|--|
| <i>Date</i> | 2 December 2023 (Saturday) |
| Parallel Session 2 Lecture 4 | |
| <i>Time</i> | 15:30 – 15:50 |
| <i>Tour</i> | The use of pedagogical methods in designing, meaningful tasks and organising daily routine to enhance knowledge application and undertake tasks and challenges |
| <i>Presented in</i> | English |

Mr Mike Kwun-ting CHEUNG 張冠庭先生**Affiliations**

Manager (Research, Advocacy, Insight and Development),
The Hong Kong Society for Rehabilitation

Biography

Mr. Mike Cheung is Manager (Research, Advocacy, Insight and Development) of the Hong Kong Society for Rehabilitation. He is a key driver of research and application of International Classification of Functioning, Disability and Health (ICF) in the organization. He obtained his BSc from the Hong Kong University of Science and Technology and MPhil from the University of Hong Kong, majored in the statistics and health services research. His research interest focus on disability statistics, health policies and service effectiveness, ICF, data management and business intelligence. He has published papers in international peer-reviewed journals on ICF and rehabilitation. He actively delivers trainings and sharing of ICF to internal and external professional.

**Lecturing Itinerary**

| | |
|-----------------------------------|---|
| <i>Date</i> | 2 December 2023 (Saturday) |
| Plenary Discussion Forum 2 | |
| <i>Time</i> | 17:30 – 18:15 |
| <i>Tour</i> | Critical Factors for Reaping Successful Outcomes of ICF services: From Initial Kick-off to Ongoing Implementation |
| <i>Presented in</i> | English |

Mr Tony Hoi-hong CHAN 陳凱匡先生**Affiliations**

1. Service Manager, Fu Hong Society
2. ICF Working Group, The Hong Kong Joint Council for People with Disabilities

Biography

Mr. Tony Chan is a Social Worker, currently works as Service Manager of two Day Activity Centres for Persons with Intellectual Disabilities. He joined Fu Hong Society and kept engaged in ICF research and development since 2017. Tony has helped the agency in formulating the ICF working guideline and creating ICF-based common documents so as to enhance trans-disciplinary collaboration. Besides, Tony is specialized in conducting staff training, nurturing colleagues in ICF technical know-how and practice with ICF service values. He has presented ICF service outcome and agency cultural change in various events, such as the Rehabilitation International World Congress 2021, ICF Symposium (Hong Kong) in 2022, and ICF Sharing organized by The Hong Kong Joint Council for People with Disabilities.

**Lecturing Itinerary**

| | |
|-----------------------------------|---|
| <i>Date</i> | 2 December 2023 (Saturday) |
| Plenary Discussion Forum 2 | |
| <i>Time</i> | 17:30 – 18:15 |
| <i>Tour</i> | Critical Factors for Reaping Successful Outcomes of ICF services: From Initial Kick-off to Ongoing Implementation |
| <i>Presented in</i> | English |

Prof. Marco Yiu-Chung Pang 彭耀宗講座教授**Affiliations**

Chair Professor of Neurorehabilitation, Department of Rehabilitation Sciences,
The Hong Kong Polytechnic University
President, Hong Kong Physiotherapy Association

Biography

Marco Pang is currently a Chair Professor of Neurorehabilitation of the Hong Kong Polytechnic university. He is also the Director of the University Research Facility in Behavioral & Systems Neuroscience (UBSN) of the same University, which consists of a new Magnetic Resonance Imaging (MRI) Center supporting neuroscience research. Prof. Pang's research interest is in geriatric and neurological rehabilitation. He has published more than 150 peer-reviewed journal papers. He has been the President of the Hong Kong Physiotherapy Association since 2017. Recently, he has received the World Physiotherapy International Service Award for Research and has been elected as the Chair of the World Physiotherapy Asia Western Pacific Region Executive Committee.

Plenary Discussion Forum Title: Strategic Recommendations for the Implementation of ICF in Clinical Practice

**Dr. Dr. Chong Yin Kei Doris 莊硯琦副教授****Affiliations**

Department Head cum Programme Leader, Associate Professor, School
of Nursing and Health Studies, Hong Kong Metropolitan University

Biography

Dr. Chong is currently the Department Head cum Programme Leader of the Department of Physiotherapy at Hong Kong Metropolitan University. Before joining HKMU, she served in various academic positions at Northeastern University in the U.S.A and The Hong Kong Polytechnic University. She has also worked and served in local NGOs and led the actualization of the ICF framework in clinical service. She provided expertise advices on various service projects related to the application of the ICF framework, helping staff to kick-start or refine services according to clients' needs.

Dr. Chong is dedicated to educating professionals and students on the implementation of ICF in clinical practice. She has conducted a number of staff training workshops in various NGOs to scale-up the concept and application of ICF in practice. Her teaching focus for entry-level physiotherapy education is in the areas of neurologic physiotherapy and community rehabilitation. Students are exposed to the theoretical concepts and applications of the ICF framework in people with neurological conditions and chronic diseases. She believes that when students are attuned to the concept of ICF in school, they would be able to readily execute the concept in practice.

Plenary Discussion Forum Title: Critical Factors for Reaping Successful Outcomes of ICF services: From Initial Kick-off to Ongoing Implementation



Discussion Forum 1



Prof. Marco PANG

Affiliations

Chair Professor of Neurorehabilitation, Department of Rehabilitation Sciences, The Hong Kong Polytechnic University President, Hong Kong Physiotherapy Association

Discussion Forum 2



Dr Doris CHONG

Affiliations

Department Head cum Programme Leader, Associate Professor, School of Nursing and Health Studies, Hong Kong Metropolitan University

1. Strategic Recommendations for the Implementation of ICF in Clinical Practice

Panel Members:

- Prof. Gerold STUCKI
- Dr Matilde LEONARDI
- Prof. Reuben ESCORPIZO
- Prof. Tiebin YAN
- 燕鐵斌教授
- Prof. Peter Tsan-Hon LIU
- 劉燦宏教授

Panel Chair:

Prof. Marco Yiu-chung PANG
彭耀宗講座教授

17:30 – 18:15 2. Critical Factors for Reaping Successful Outcomes of ICF services: From Initial Kick-off to Ongoing Implementation

Panel Members:

- Dr Sam Chi-chung CHAN
- 陳子頌副教授
- Mr Mike Kwun-ting CHEUNG
- 張冠庭先生
- Mr Tony Hoi-hong CHAN
- 陳凱匡先生
- Dr Ivan Yuen-wang SU
- 黃源宏博士

Panel Chair:

Dr Doris Yin-kei CHONG
莊硯琦副教授

ABSTRACTS OF ORAL PRESENTATIONS

7/7 Theatre (2:30pm to 4:00pm)
CLINICAL VALIDATION OF THE HONG KONG CHINESE VERSION OF WORLD HEALTH ORGANIZATION DISABILITY ASSESSMENT SCHEDULE 2.0 (WHODAS 2.0) IN PEOPLE WITH DISABILITIES UNDERGOING COMMUNITY REHABILITATION SERVICES

CHOI, C.M.¹, WANG, C.M.², LEE, Y.K.², LAU, M.C.³, LEUNG, S.L.¹, CHAN, L.S.¹

¹SCHOOL OF HEALTH SCIENCES, CARITAS INSTITUTE OF HIGHER EDUCATION

²CHRISTIAN FAMILY SERVICE CENTRE

³ALEX WHONG SPORTS MEDICINE AND REHABILITATION CENTRE, CUHK MEDICAL CENTRE

Background and purpose:

The International Classification of Functioning, Disability, and Health (ICF) model created by the World Health Organization (WHO) has been criticized owing to the impracticality in clinical practice during assessment. Hence, World Health Organization Disability Assessment Schedule 2.0 (WHODAS 2.0) was developed in 2010 to cover core components and constructs in ICF and assess disability generally and widely. However, simplified Chinese version and modified version by the Taiwanese experts are not applicable for the Hong Kong population. Therefore, there is a need for the development of a Hong Kong Chinese version of WHODAS 2.0.

The aim of this study is to develop a Hong Kong Chinese version of WHODAS 2.0 (WHODAS2.0 TC-HK) and to evaluate its validity and reliability.

Methods/Service Design and Delivery*:

The WHODAS 2.0 was translated from its original English version to Hong Kong Chinese. Subjects with disabilities were recruited from the weekly rehabilitation training held at a local non-governmental organization (NGO) to complete the WHODAS2.0 TC-HK, Chinese version of 36-Item Short Form Health Survey (SF-36) and Chinese version of the World Health Organization Quality of Life Abbreviated (WHOQOL-BREF). Data were analyzed to assess the validity and reliability of WHODAS2.0 TC-HK.

Results/Service Outcome*:

The WHODAS2.0 TC-HK has shown moderate to good test-retest reliability, high level of internal reliability and was significantly correlated to SF-36 scores and WHOQOL-BREF scores.

Conclusion:

The WHODAS2.0 TC-HK is a valid and reliable tool for measurement of disability in the Hong Kong population.

A STEP FORWARD INTO THE COMMUNITY, NOT JUST SERVICE USERS BUT PROVIDERS TOO

HUNG, D. C. K., HEAD OFFICE, SAHK

Background and Purpose:

Community-dwelling individuals with lifelong disabilities, both childhood- and adult-onset, often require ongoing (re)habilitation, tertiary prevention, and support to maximise their participation in daily and community life. A pilot integrated centre- and home-based service centre with the use of the WHO's International Classification of Functioning, Disability, and Health (ICF) and advance technologies in clinical practice was launched. The unmet needs of these individuals and their carers were met through the provision of day, outpatient, and domiciliary rehabilitation, as well as day respite, personal care, transportation escort, and welfare and counselling support in a flexible manner.

Service Design and Delivery:

The assessment, goal setting and intervention planning of the pilot centre were framed by the 5-component model of ICF. The Model serves as a common philosophy across not only different disciplines of healthcare professionals, but also welfare professionals and supporting staff, rendering a trans-disciplinary way to comprehensively address the service users' health and social needs. The 5 components

constitute a holistic consideration of their biological, environmental, and personal needs, as well as clinical activity limitations and real-life participation restrictions, facilitating a person-centred rehabilitation process with goal establishment founded on the users' preference, priority and needs. Conventional gymnastic instruments and electrophysical modalities were employed to improve biological functions including range, strength, endurance, coordination, balance, and pain. Wearable, sensor-based and extended-reality technologies were adopted to provide activity-focused therapy at the centre while web-based, auditory cuing, and assistive technologies were used to ensure continuity of practice through routine-based intervention at home and community. The former enhanced the users' capacity to execute activities while the latter facilitated their participation in real-life. Service outcomes was evaluated by the WHO's Disability Assessment Schedule version 2.0 (WHODAS2.0).

Service Outcome:

WHODAS2.0 measured difficulties experienced by the respondents in real-life participation. Its 36 questions were mapped to the ICF code at the level-1¹. In responding to the WHODAS2.0, the respondents' self-awareness of their participation restriction in real-life was improved. This helped in the establishment of user-chosen common goals and the selection of relevant ICF categories from the customised ICF Core Set of the Centre. The WHODAS2.0 would be employed to evaluate the effectiveness of the pilot Centre.

Conclusion:

The pilot Centre played a unique role in maximising real-life participation for community-dwelling survivors suffering from chronic disorders. By adopting the ICF framework, employing advance technologies, and administering WHODAS2.0, person-centred common goals with a holistic consideration of the 5 components was established, followed by interprofessional collaboration to remove biological, environmental and personal barriers, all directed towards the goal attainment.

¹廖華芳等 (2013)。《身心障礙鑑定功能量表之運用》。台灣醫學 17 卷 3 期，317-330 頁。

IMPROVING READ-AND-WRITE ABILITIES THROUGH DAILY PARTICIPATION FOR AUTISM CHILDREN WITH HEALTH AND EDUCATION COLLABORATION

LAW F. H. Y., HEAD OFFICE, SAHK

Background and Purpose:

Read-and-write is a task involving cognitive, visual, and motor functioning as well as word recognition and comprehension for school-aged children. The 'Fun Gymnastic Writing', a weekly 6-session programme was developed for pre-school children with Autism, based on the ICF framework. It called for collaboration between education and healthcare professionals, aimed at enhancing read-and-write skill in a structured supportive environment, putting to practical use in school and home time.

Service Design and Delivery:

Each session was conducted by class teacher, and two out of three allied health disciplines, namely physiotherapist (PT), occupational therapist (OT), and speech therapist (ST). PT worked on postural control and on vestibular-oculomotor system for better saccadic eye movements and fixation control during read and write. OT focused on hand dexterity and force gradation, as well as sensory discrimination of hand and fingers to improve font size regulation, stroke direction and position during writing. ST consolidated connections between orthography, phonology, and semantics of the Chinese characters to improve word recognition and vocabulary comprehension. Warm-up exercises as start, children were prepared with appropriate arousal and attention level, content activities with specific training foci from disciplines were followed. While incorporating theme-based learning, teacher prepared materials in accordance with individual's cognitive ability. Through use of individualised visual schedule, children involved in scheduling their own tasks by arranging relevant activity photos and accomplished in an organised manner. Adjustments across disciplines were made throughout the programme implementation. Parents were

involved and practiced the facilitation skills with their children under therapists' support and guidance. Teacher worked closely with parents to incorporate the content activities into the children's daily routine, including self-administered warm-up activities at home for attaining desirable arousal to perform tasks. Time was allocated for children to practice read-and-write skills during recess and transcribing information to the school diary at child care centre.

Service Outcome:

Coordinated training across disciplines and environmental consistency throughout the day enhanced children's comprehension, retention, and transfer of the content activities (Competency). Self-directed activity schedule promoted children's engagement (Autonomy). Deliberately using peer group dynamics in class with parent involvement foster lasting behavioral change (Connectedness). The programme contributed to honing children's intrinsic motivation for literacy and desire to improve read-and-write abilities through participation in daily life. The programme was structured across 4 classes spanning 2 academic years, around half of the 24 participated children were successfully transitioned to mainstream primary schools, with parent's feedback on improved self-initiated participation, and word recognition and comprehension during writing tasks.

Conclusion:

The programme was developed regarding special needs of Autism with health and education collaboration and involved well-coordinated home-school implementation to mobilise environmental facilitators and remove barriers for promoting children's initiative and engagement in read-and-write.

INTERDISCIPLINARY HOME BASE FALL PREVENTION PROGRAM USING ICF APPROACH – A PILOT STUDY

YEUNG, C.K.¹, LAM, Y. K.¹, KWOK, K.P.¹, SIN, M.S.¹, LAU, Y. K.¹, CHENG, K.M.¹, WONG, P.K.¹

¹YANG MEMORIAL METHODIST SOCIAL SERVICE

Background and purpose:

People with physical disabilities are at a greater risk of falling than those without physical disabilities, particularly those with mobility limitations and imbalance. Fall-related injuries are common causes of hospitalization and can further deteriorate functional independence, impeding rehabilitation progress and diminishing self-efficacy in managing one's health. Therefore, an effective rehabilitation strategy emphasizes identifying multiple risk factors for falls and tailoring fall prevention strategies and interventions for this population, crucial for preventing future falls. The aim of this pilot study was to investigate the effectiveness of an interdisciplinary fall prevention program, utilizing the International Classification of Functioning, Disability and Health (ICF) framework, in reducing fall incidence and fear of falls among people with physical disabilities in a community setting.

Methods/Service Design and Delivery:

A total of 13 individuals with disabilities, who were users of a home-based care service in Hong Kong, participated in a 6-month fall prevention program. All participants had experienced at least one fall within the year prior to the program. An interdisciplinary team comprising a social worker, nurse, physiotherapist, and occupational therapist assessed the participants. Each participant and their caregivers collaborated with the team to discuss and create personalized care plans and targets based on the WHO's ICF framework. The outcomes measured before and after the 6-month program included the number of fall incidents, functional reach (FR) distance, fall efficacy, and user satisfaction surveys.

Results/Service Outcome:

Both fall incidence and fall efficacy significantly decreased, with a notable improvement in FR distance. Positive feedback from all participants also indicated their satisfactory experience with the fall prevention program.

Conclusion:

The interdisciplinary fall prevention program utilizing the ICF framework

was found to be feasible, resulting in improved fall incidence and fall efficacy after 6 months, and receiving favorable satisfaction from participants. Larger sample studies and randomized control trials are necessary to further validate these preliminary observations.

I sincerely hope that you would enjoy the rich conference programme that we have prepared for you and take home some insights that can inspire you to apply ICF in our own work settings. Thank you!

P1

CLINICAL APPLICATION OF ICF FRAMEWORK: ADOPTING SMART HOME DEVICES FOR BETTER QUALITY OF LIFE IN PERSON WITH SPINAL CORD INJURY: A CASE STUDY

CHAN YY, YANG¹, WONG SK, YANG¹, CHOI CM¹

¹MEMORIAL METHODIST SOCIAL SERVICE

²CARITAS INSTITUTE OF HIGHER EDUCATION

Background and purpose:

ICF is well known for being used in multidisciplinary case analysis and goal setting during clinical practice. This was applied on a client who is called Brian (41/M) with spinal cord injury at C5/6 in the hope of increasing his activity participation and independency in a team approach.

Methods/Service Design and Delivery*:

By applying ICF assessment tool, Brian's current performance on "environmental factors" and "activity and participation factors" were systematically evaluated. Based on the problems, facilitators and barriers were identified, the treatment goal was then formulated with Brian's involvement: using smart home devices to maximize his functions and independency. Smart home devices such as smart plugs and smart home hub were then used to allow Brian to assess the home appliances through WiFi.

Results/Service Outcome*:

Re-ICF assessment was done to evaluate the treatment effectiveness. It was found that Brian has improvement in several items. In activity and participation, his score changed from 2 to 1 in d360 (Using communication devices and techniques) and 3 to 2 in d920 (Recreation and leisure), indicating a decrease of impairment. In environmental factors, e1151 (Assistive products and technology for personal use in daily living) changed from 0 to +2 and e1251 (Assistive products and technology for communication) from +1 to +3, indicating a facilitative change in environmental support.

He can now use voice control over home appliances, such as TV, fan and air conditioner, for daily care and leisure activities without the assistance from helper.

Conclusion:

ICF clinically provides a direction on person-centered goal setting by allowing patient involvement in goal setting. The ICF assessment generates a holistic view of Brian's profile and therefore every factor can be taken into consideration during intervention planning. It also offers a common language for interprofessional communication and encourages the collaboration of work among different disciplines.

P2

基於 ICF 框架下腦癱兒童家庭支援性服務實踐探討

黃麗華¹, 劉孟春¹, 袁小燕¹, 馬瑾¹

¹中華人民共和國寧夏回族自治區殘疾人康復中心

目的

對於腦癱兒童來說最重要的環境就是他們的家庭，因此計畫和實施與兒童家長之間有效的聯繫和交流是非常必要的。在交流的過程中發現，家長總是期望著兒童重返正常或治癒，但由於對腦癱相關知識、相應的救助政策不夠瞭解、應有的環境支持不足等諸多原因，導致對孩子和家庭形成極大的壓力，從而影響康復效果。

方法

根據 ICF—CY 功能分類的方法，從支持和相互聯繫、態度、服務體制等方面對腦癱兒童家庭支援性服務進行實踐探討。在實踐過程中圍繞家校溝通、家庭照顧能力、親子關係、家長互助、社會支持方面形成的經驗做法有以下幾點：1. 建立暢通的溝通管道：通過面談、問卷調查等方式，以尊重家長意願、平等的態度，瞭解家庭情況，如人員構成、居家生活環境、家庭經濟狀況、主要照顧者能力、家庭成員

對兒童的認識、態度與期望等方面，以便於能夠制定個性化的家庭支持方案。2. 提升家庭照顧能力：每年開展 2 次入戶回訪，幫助改造家居環境，進行居家康復訓練指導；每週組織 1 次家長培訓和家長開放日活動，幫助家長瞭解相關政策、掌握兒童功能情況和輔助技巧、普及科普知識；3. 培養良好的親子關係，以繪本共讀、親子遊戲、“爸爸日活動”、“看見孩子看見自己”心理輔導、家庭教育公益講座等形式，增進家庭成員互相支持，成為兒童堅強的後盾。4. 提供家長互助交流平臺，通過每年開展 1 次家長互助交流活動、建立家長微信群，支持家長之間經驗交流、康復輔具的迴圈利用、資源分享。5. 尋求社會支援性服務：每月開展 1 次諸如蛋糕製作、影院觀影等社會實踐活動；開展口紅製作、美甲、串珠、蔬菜分裝等家長職業技能培訓，提供就業崗位，減輕家長經濟負擔；組織“愛心車隊”、“公益捐贈”、“康復義診”、“關愛入校兒童”等志願服務活動，充分發動社會力量關心關愛腦癱兒童家庭；通過拍攝宣傳視頻、發佈工作通訊、開展“腦癱日”活動等形式，增進社會對腦癱兒童的認識，呼籲社會關注支援腦癱兒童家庭。

結果

基於 ICF 框架，開展腦癱兒童家庭支援性服務可以為家長“增權賦能”，建立家長對孩子良好的態度和合理的期望，認識孩子的需要和發展潛能，掌握了尋求社會資源支援的方式方法；鞏固家庭成員良好關係，構建和諧有利於兒童成長的家庭環境，能有效的幫助兒童以樂觀向上的態度面對困境，幫助家庭獲得更多的支持和改善，以及更大的社會融入和可持續發展的機會。

P3

PROMOTION OF HEALTHY LIFESTYLE FOR ADULTS WITH INTELLECTUAL AND DEVELOPMENTAL DISABILITY

LAI, E. S. Y.¹, OR, K. W. K.¹, TSE, J. H. Y.¹

¹SAHK

Background and purpose:

Adults with Intellectual and Developmental Disability (IDD) embark on their journey to cope with the challenge of ageing earlier than typical adults, an ICF-based successful ageing programme was implemented in day and residential setting with interprofessional collaboration and carer involvement. Healthy lifestyle and subjective well-being are crucial to maintain intrinsic capacity and functional ability among adults with IDD in their early 30s. Else, mobility deterioration and worsening of dependency in activities of daily living are inevitable in older adulthood.

Service design and delivery:

For the biological component, physical fitness including flexibility, cardiovascular endurance, strength, and balance were monitored and maintained by self-administered physical activities customised to individual needs. Health literacy tailored to individual's mental capacity was cultivated, aiming at behavioural change towards a physically active lifestyle. Self-chosen participation in a range of adaptive sports and recreation (e.g., floor curling, boccia, running, croquet, special Taekwondo, etc.) was provided with physical and social barriers removed at the individual level. Peer group dynamics were mobilised as a facilitator to boost connectedness and subjective well-being. Our adult clients were empowered to set up an immersive daily routine of self-directed engagement in personal, domestic and community activities throughout the day. Framed by the 5-component model of ICF, pedagogical methods were incorporated to cultivate self-reliant character and promote self-determination to take care of one's own health and make good choices about how to live a healthy life.

Service outcome:

Positive impact was not only found in the physical aspect of older adults with IDD, but also in their emotional and social aspects.

Conclusion:

Equipping adults with IDD with knowledge and skills, tailored to their capacity, about healthier life in a structured and supportive environment, could help to enhance autonomy, build competency, and

promote connectedness for boosting intrinsic motivation to maximise their physical participation in daily living.

P4

以 ICF-CY 為導向構建 3×3 腦癱兒童康復服務體系的實踐研究

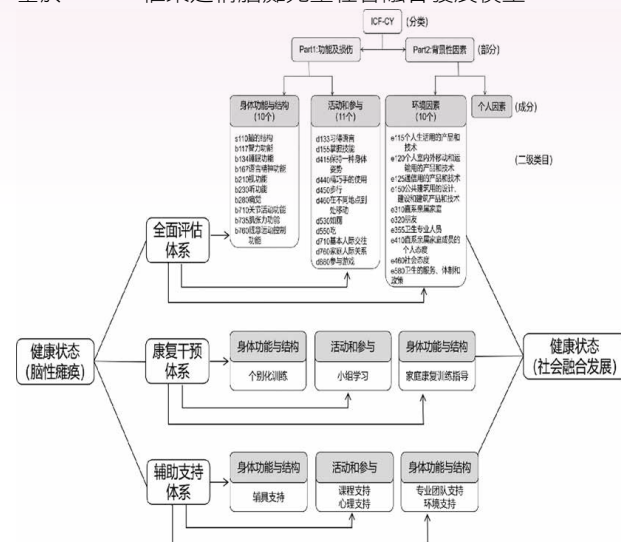
孫幸花¹, 何寶鶯¹, 葉曉文¹, 麥曉¹, 周建軍¹

¹ 中華人民共和國東莞市殘疾人康復中心

Background and purpose:

腦癱是殘疾兒童占比重較大的一个障礙類型，他們主要的障礙是中樞性運動障礙和姿勢異常，常常伴隨隨認知、語言、社交和感知覺等問題。學齡前腦癱兒童的早期康復和教育效果與他們到義務教育階段年齡後是否能正常接受學校教育有很大關係，進而對能否順利融入社會、平等共用社會成果有直接影響。東莞市殘疾人康復中心在多年的腦癱兒童康復和教育實踐經驗中發現，腦癱兒童的康復教育效果除了必要的醫學介入外，更與個體心理及所處的社會環境有很大關聯，通過對個體社會環境和支持體系的建構，減少參與活動的環境障礙，讓腦癱兒童參與主流社會的概率大大增加，這與世界衛生組織頒佈的 ICF 分類體系有異曲同工之處，與之相應的腦癱兒童 ICF-CY 核心分類更是高度相關。本研究基於 ICF 及 ICF-CY 理論和分類體系，嘗試構建腦癱兒童全面評估體系、康復干預體系及輔助支持三大體系，通過改善腦癱兒童身體結構與功能、減少活動和社會參與局限、調整環境的整體狀況等，構建了基於 ICF 框架下的腦癱兒童社會融合發展模型（如圖），最終讓腦癱兒童和普通兒童實現了社會共融發展，進一步豐富了腦癱兒童康復服務體系的理論和實踐經驗。

基於 ICF-CY 框架構建腦癱兒童社會融合發展模型：



P5

WARD REHABILITATION ACTIVITIES: IMPROVE MOBILITY AND EXERCISE PARTICIPATION

TINA CHIM HIU TUNG, BRYAN PING HO CHUNG

Background and purpose:

Most patients in Tai Po Hospital (TPH) suffer from decline in mobility i.e. Modified Functional Ambulation Classification(MFAC), due to decondition or medical illness. Enhancing patient participation in exercises for better time utilization in ward is important.

Objective:

Ward rehabilitation activities, with transfer and strengthening exercises, were delivered to enhance patients' body function and participation.

Service Design and Delivery*:

Patients' health condition with decline in MFAC compared to pre-morbid were identified in medical wards in TPH. For conscious and good potential patients who were unable to attend gym session, ward rehabilitation were provided. Appropriate exercises videos were

selected by therapists. Activities included transfer and strengthening exercises. Therapists would then teach patient' caregiver to deliver exercises. If no caregiver was available, physiotherapy assistants would deliver exercises to patient. Patients participated 2-3 sessions every week. To eliminate environmental constraints, all exercises could be conducted simply using theraband and on bed within basic ward setting. To eliminate personal constraints and promote participation, QR code videos with clear visual and auditory instruction were easily accessible. Periodically, therapists would review the ward rehabilitation content.

Service Outcome*:

Change in score of MFAC and Elderly Mobility Scale (EMS) were identified. Number of patients who received the programme were counted and their self- satisfactory scale were rated.

Conclusion:

Ward rehabilitation activities were expected to enhance patient participation in in-patient wards. Benefits in mobility and function were further explored.

P6

Integrating ICF concept and practice in Physiotherapy curriculum at Tung Wah College

WONG K.Y.L., Grace Seztó¹

¹Tung Wah College

Background and purpose:

In Tung Wah College (TWC) physiotherapy programme curriculum, ICF concept is an essential element in teaching and learning. It is applied in a structured manner in both classroom teaching and students' community projects to serve people with disability and special needs.

Service Design and Delivery*:

The element of ICF framework including Functioning and Disability and Contextual factors, is widely used in the teaching of Physiotherapy assessment and management of patients with various conditions, ranging from musculoskeletal, neurological, community rehabilitation and mental health. It covers the management of patient groups from small children in paediatrics to elderly in Neurological and geriatrics conditions.

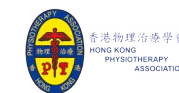
The practical application of ICF model in the community-based rehabilitation is by designing barrier free activities and assign students to work with wheelchair users or people with physical disabilities in local community. It involves taking public transportation including bus, MTR, light rails, go shopping in the markets or malls, engaging social and sport activities in the community halls or playgrounds. It aims to enhance students learning of the ICF concept by involving them to actively participate with the patients together to experience the daily living challenges faced by the patients. To extend the impact, students are also required to critically analyse the environment and facilities, and they are encouraged to propose innovative yet feasible solutions to advocate to the policy makers and influence society.

Service Outcome*:

Outcomes include students' feedback and their performance in various subjects demonstrating their understanding of the ICF core sets.

Conclusion:

ICF is the WHO framework for measuring health and disability. The TWC Physiotherapy programme strives to put our best effort in integrating this biopsychosocial model of disability to enhance student learning. We hope our graduates show genuine understanding on the ICF concept, able to apply it in their future clinical practice and make sound impact for our society.



Tel : 2778 6191 Email : icf@sahk1963.org.hk
<https://www.hongkongpa.com.hk/>
 Room 901, 9/F Rightful Centre, 12 Tak Hing Street, Jordan, Kowloon.

Disclaimers:

This material / event is funded by the Professional Services Advancement Support Scheme of the Government of the Hong Kong Special Administrative Region. Any opinions, findings, conclusions or recommendations expressed in this material/any event organised under this project do not reflect the views of the Government of the Hong Kong Special Administrative Region or the Vetting Committee of the Professional Services Advancement Support Scheme.