Quality and Quantity of Research and Other Scholarly Output (1 July 2004 -2005)

(a) Thesis / Dissertation (n=21)

- Ang, Hui Yong completed a MSc dissertation entitled “Validation of the Wolf Motor Function Test in persons with stroke” under the supervision of David Man. (2005)
- Chan, Kwai Fong completed a MSc dissertation entitled “Effect of Microcurrent Therapy on Tendon Healing” under the supervision of Dicky Fung. (2005)
- Chan, W.C.E. completed a MSc dissertation entitled “Using Information Technology in Setting Up the Employers’ Network to facilitate Job Development, and Placement for People with Disabilities” under the supervision of Alan Tam. (2004)
- Cheung, Chi Chuen Leo completed a MPhil thesis entitled “Job-specific Social Skills Training Programme for People with Mental Illness in Hong Kong” under the supervision of Hector Tsang. (2005)
- Cheung, Chin Ting Leo completed a MSc dissertation entitled “Effect of Acu-TENS on the cardiopulmonary function” under the supervision of Alice Jones. (2005)
- Cheung, Wai Ping Winsome submitted a MPhil thesis entitled “Predictive Model on Vocational Outcome for People with Mental Handicap” under the supervision of Chetwyn Chan and David Man. (11 July 2005)
- Chin, Y.M. completed a MSc dissertation entitled “A Study on Development and Validation of the Chinese Occupational Self-Efficacy Scale” under the supervision of Alan Tam. (2004)
- Chow, Wai Sum Kari submitted a MPhil thesis entitled “Vibrotactile Imagery: Neural Correlates of Older Adults and Patients Suffered from Stroke” under the supervision of Chetwyn Chan, Christina Hui-Chan and Karen Liu. (26 June 2005)
- Lau Chung Man, Joy submitted a MPhil thesis entitled “A Prospective Randomized Clinical Trial to Compare the Effectiveness of Pressure Therapy, Silicone Gel Sheeting and the Combined Therapy on Post-surgical Hypertrophic Scar” under the supervision of Cecilia Li and Chetwyn Chan. (30 June 2005)
- Li, Jiaqi submitted a MPhil thesis entitled “The Effect of a "Return to Work" Programme for Injured Workers in Hong Kong: A Randomized Control Study” under the supervision of Cecilia Li and Chetwyn Chan. (15 July 2005)
- Ng, Sheung Mei Shamay completed a PhD thesis entitled “Effectiveness of an Innovative Home-based Rehabilitation Program on Lower Limb Functions in Subjects with Chronic Stroke: A Randomized, Controlled Trial” under the supervision of Christina Hui-Chan. (2005)
- Ngai, C.W. Gorman completed a MSc dissertation entitled “Comparison the landing response on ankle sprained basketball player with ankle taping and soft shell ankle brace” under the supervision of Amy Fu. (2004)
- Siu, Ka Wai Flora completed a PhD thesis entitled “Effects of Electroacupuncture on the Oxidative Stress in Adult Rats after Cerebral Ischemia” under the supervision of Mason Leung. (2005)
- Soong, Yuen Leung Wallace completed a PhD thesis entitled “Evaluating the Effect of an On-line Computer Assisted Cognitive Rehabilitation Programme” under the supervision of Alan Tam, David Man and Christina Hui-Chan.

Yong, Yee Ping Yonny completed a MSc dissertation entitled “To investigate possible predictors for chest infection in elderly” under the supervision of Alice Jones. (2005)

Xu, Yanwen completed a MPhil thesis entitled “A Prediction Model for Return to Work of Injured Workers in Hong Kong” under the supervision of Chetwyn Chan, Andrew Siu and Chan Man Chung. (2005)

Yip, Lai Ming Selina completed a MSc dissertation entitled “Effect of EMG biofeedback on selective VMO strengthening program in patients with patellofemoral pain syndrome” under the supervision of Gabriel Ng. (2005)

Zhang Qi completed a MSc dissertation entitled “EMG analysis of VMO/VL activities in subjects with anterior knee pain before and after a physiotherapy exercise programme” under the supervision of Gabriel Ng. (2005)

(b) International Journal Papers

(i) Outputs of Centre core members directly funded by the ASD grant (n=33)

Published (n=16)


Ng, G.Y.F. Patellar taping does not affect the onset of activities of vastus medialis obliquus and vastus lateralis before and after muscle fatigue. *American Journal of Physical Medicine & Rehabilitation*, 84(2), 106-111, 2005. (Impact


**In Press/ Accepted (n=7)**


**Under Review/ Under Revision (n=2)**


**Submitted (n=8)**

*Centre core members/PhD candidates denoted by bold font*
*Former core members denoted by bold and underlined font*
*Journal titles in bold and italic font: denote Science and Social Citation Indices with impact factors from year 2004*


• He J. Slow oscillation in non-lemniscal auditory thalamus altered by cortical activation. Journal of Neuroscience. (submitted) (Impact factor: 7.907)

• He, J., Pan, A.W., Hirao, Y., Pan, G.H., Chan, T.K.K., Kwong, K.S.C., Hernandez, A. & Kinouchi, Y. Multi-channel velocimeter for measuring arterial blood flow from human subjects. IEEE Transaction on Biomedical Engineering. (under revision) (Impact factor: 1.815)

(ii) Relevant output by Centre core members (n=42)

Published (n=23)


• Leung, A. W. S, Chan, C. C. H., Lee, A. H. S. & Lam, K. W. H. Visual analogue scale (VAS) correlates of

Centre core members/PhD candidates denoted by bold font
Former core members denoted by bold and underlined font
Journal titles in bold and italic font: denote Science and Social Citation Indices with impact factors from year 2004


**In Press/ Accepted (n=8)**

- Chin, D.Y.M. & Tam, S. F. Relationships between occupational self-efficacy and demographical characteristics of


Under Review/ Under Revision (n=8)


Submitted (n=3)

Centre core members/PhD candidates denoted by bold font
Former core members denoted by bold and underlined font
Journal titles in bold and italic font: denote Science and Social Citation Indices with impact factors from year 2004


(c) Brief Articles in Journal Supplements/ International Journal Papers

(i) Outputs of Centre core members directly covered by the ASD grant (n=10)

Published (n=6)


In Press (n=4)


(ii) Relevant output by Centre core members (n=9)

Published (n=9)


Note that the total number of journal paper publications by all the Centre Core members/PhD candidates totaled 94 from July 2004 to 2005: published (n=54, including 15 brief articles), in press/accepted (n=19, including 4 brief articles), under review (n=10) and submitted (n=11).

(d) Conference Papers (n=38)

(i) Outputs of core members directly covered by the Centre (n=23)


(ii) Relevant output by core members (n=15)


(e) **Books/ Book Chapters (n=4)**

**In Press (n=4)**


(f) **Seminar/ Course (n=4)**

- **Tam, S.F.** Cognitive Rehabilitation and Computer-Assisted Rehabilitation: Development and Research. The 3rd Affiliated Hospital, Sun Yat Sen Medical University, China, 22 March 2004.
- Tam, S.F. Collaborative Teaching through a Multi-point Interactive e-Platform. Departmental Learning Teaching Seminar, The Hong Kong Polytechnic University, 7 June 2005.

(g) Other Output (n=3)
  Deliverables:
  A) Clinic database (enhanced by IRIS)
     - Patient Record Management System
       - Forecaster (Treatment prediction/estimation functionality)
       - Appointment system
  B) Tele-rehabilitation software
     - Tele-stroke rehabilitation and tele-fall prevention software suite (includes measurement and games)
     - Tele-mode group based training framework (using Flash Communication Server)
     - Tele-Virtual Reality software development
       - Transportation training
       - Tea preparation training
       - Room navigation training (for tele-RBMT assessment)
  C) Tele-rehabilitation hardware
     - Tele-stroke rehabilitation
       - Gripper and pincher (accuracy improved)
       - Balance device (2 sensors version)
       - Square pads device (for range of motion exercise)
       - Wrist exercise device (for range of motion exercise)
     - Tele-fall rehabilitation
       - Balance device (4 sensors version)
       - Functional reach device
  D) Intelligent product development (Hardware)
     - 10RM (repetition maximum) prototype
     - MPU development (self-developed device controller)
     - Pressure pen
  E) Intelligent product development (Software)
     - Rehabilitation question builder
     - Intelligent hand-writing analysis software
  F) Website
     - LCWTRC website
     - Display Screen Equipment (DSE) User web site
     URL: http://www.rehabclinic.org/dse.asp