＊陳貞夙助理教授

所有發表期刊論文

Journal papers:

1. Yang, S, Hwang, W-H, Tsai, Y-C, Liu, F-K, Hsieh, L-F, **Chern J-S***: Improving balance skills in patients who had stroke through virtual reality treadmill training. AmJ Phys Med Rehabil 2011;90:1-10

2. **Chern, J-S**, Lo, C-Y, Wu, C-Y, Chen, C-L, Yang, S , Tang, F-D (2010). Dynamic Postural Control during Trunk Bending and Reaching in Healthy Adults and Stroke Patients. American Journal of Physical Medicine and Rehabilitation.

3. Chen, P-C, Chen,S-S, **Chern, J-S** *, Huang, M-Y. (2009). Analysis of the Usage of Disability Fund on Promotion of Employment rate in Taiwan: Taoyuan County as an Example. Journal of Taiwan Occupational Therapy Research and Practice. 5(2)(Corresponding author).

4. Jang, Y., **Chern, J-S**, Lin, K-C (2009). Validity of the Lowenstein Occupational 8/2000～present Occupational Therapist, Department of Rehabilitation Medicine, Department of Limb Reconstruction, Lin-Kuo Chang Gung Memorial Hospital 1/2009～12/2011 Supervisor of Vocational Assessment Service in Hsin-Chu ILian County, Taiwan 1/2008～12/2011 Counselor Committee of Vocational Assessment Resource Center in Northern Taiwan Area, Taiwan !3 Therapy Cognitive Assessment (LOTCA) in People with Intellectual Disabilities. The American Journal of Occupational therapy. 63(4), 414-22

5. Lung, C.-W., **Chern, J-.-S**., Hsieh, L.-F., & Yang, S.-W. (2008) The differences in gait pattern between dancers and non-dancers. Journal of Mechanics, 24(4), 451-7.

6. Tseng, IF., **Chern, J-S***. (2008) Bilateral foot center of pressure during trunk forward bending and reaching. Proceedings of the First International Conference on Biomedical Engineering and Informatics. Hinan, China. (EI) (Corresponding author)

7. Tsai, PJ., **Chern, JS***., Chang, ST., Yang, SW. (2008).A Study of Dual-task Effects on Postural Stability in Stroke Patients. Journal of Taiwan Occupational Therapy Research and Practice. 4(1), 45-54 (Corresponding author).

8. Chang, ST., **Chern, J-S***., Long, CW., Yang, LY., Tang, FD. (2007). Comparing the effects of two types of ankle-foot-orthoses on balance ability and walking performance in stroke patients. Journal of Taiwan Occupational Therapy Research and Practice. 3(2). 94-109. (Corresponding author)

9.Lin, K-C., Wu, C-Y., Chen, C-L., **Chern, J-S***., Hung, W-H. (2007). Effects of Task Object on Upper-Arm Reaching and Postural Balance While Standing in

Patients with Unilateral Stroke and Healthy Controls American Journal of Physical Medicine and Rehabilitation. 86(10), 792-99. (SCI)
10. **Chern, J-S**., Yang, S., Wu, C-Y. (2006). Whole body reaching as a measure of dynamic balance in stroke patients. American Journal of Physical Medicine and Rehabilitation. 85, 201-208.(SCI)
11. **Chern, J-S**., Wu, C-y, Yang, S. (2005). The effects of target locations on shifting of center of pressure during whole body reaching in normal adults. Journal of Taiwan Occupational Therapy Research and Practice. 1, 1-10.
12. Chern, J-S., Kielhofner, G., de las Heras, C.G., & Magalhaes, L.C. (1996). The Volitional Questionnaire: Psychometric Development and Practical Use, American Journal of Occupational Therapy, 1996, 50:516-525. (SSCI)
13. Pan, A., **Chern, J-S**., Chung, L., & Lai, J. (2001). Inter-rater and test-retest reliability of the Taiwanese Rehabilitation Functional Scale. Occupational Therapy International. 8(3), 168-183. (SSCI)
14. Pan, A., Chung, L., Huang, Y., & **Chern, J-S**. (2000). The development of Taiwanese Rehabilitation Database System. Journal of OT Association of R.O.C.,18,47-58.
15.Chern JS, Chen MH, Lee YC •Chen SS, Lin, LF, Hou, WH, Hsieh, CL.(2013) Validation of a Chinese Version of the Frenchay Activities Index in Patients with Traumatic Limb Injury. J Occup Rehab, 2013, in press (IF=2.061; R/C=7 /67, Rehabilitation, Social science edition)
16.Chern JS, Chang HC, Lung CW, Wu CY, Tang S. Static Ankle-foot Orthosis Improves Static Balance and Gait Functions in Hemiplegic Patients after Stroke. Proceedings of 2013 IEEE EMBC Congress. (IE)

Conference papers:
1. Lin, N-L, **Chern, J-S**, Lee, S-S, Tang, F-T, Chang, S, Chen, H-C. (2010) The kinematic features during ealking and obstacle crossing following total hip arthroplasty.Secon Asia-Oceanian Conference of Physical and Rehabilitation Medicine. April 29- May 2, 2010, Taipei, Taiwan. (Corresponding author)
2. **Chern, J-S**, Tseng, I-F, Lu.C-P, Chen, C-L. Event-related potential during dual tasking postural control: a comparison between stroke patients and normal adults.
Secon Asia-Oceanian Conference of Physical and Rehabilitation Medicine. April 29- May 2, 2010, Taipei, Taiwan. (Corresponding author)
3. Chang, S, Lee, S-S, Chen, H-C, **Chern, J-S ***, Chen, S-S. (2009). Performance while crossing obstacles in patients with total hip replacement: comparing preoperation and post-operation performance. 11th ASME Summer

Bioengineering Conference (SBC), Resort at Sqwa Creek, California, USA, June,17-21. 2009.
(Corresponding author)
4. Tsai, P-J., **Chern., J-S***. (2007) The intereference effects of dual task difficulties on postural stability im stroke patients. XXIth Congress of International Society of Biomechanics. Taipei, Taiwan, July, 2007. (Corresponding author)
5. Chang, S-T., **Chern, J-S***., Long, C-W. (2007). The effects of anterior and posterior ankle-foot-orthosis on postural stability in stroke patients. (Corresponding author)
6. Long, C-W., **Chern, J-S***., Yang, S. (2007) Evaluating the tendency flat foot in normal adults using a two-dimensional coordinate system. VIIIth Footware Biomechanics Symposium, Taipei, Taiwan, 27-29 June, 2007.
7. **Chern, J-S**.,, Yang, S-W., Long, C-W., Lo, C-Y.(2007).Target location effects on bilateral weight shift duirng forward bending-and-reaching in stroke patients. 4th Asia Pacific occupational Therapy Congress. Hong Kong, 23-26, June 2007.
8. **Chern, J-S**.,, Yang, S-W., Long, C-W., Lo, C-Y.(2007) The Difference of Bilateral Limbs Involvement During Trunk Bending and Reaching in Stroke Patients. 2007 IEEE Symposium Series on Computational Intelligence. Honolulu, Hawaii, USA. April 1-5
9. **Chern, J-S**., Yang, S-W., Long, C-W., Lo, C-Y. (2006). The difference of bilateral limbs involvement during whole body reaching in stroke patients. 2006 International Symposium on Biomedical Engineering, Taipei, Taiwan. December 14-16.
10.**Chern, J-S,** Yang, S., Yao, W-C. (2005). Center of pressure trajectory during whole body reaching in hemiplegic patients. XXth Congress of the International Society of Biomechanics. Cleveland State University, USA.
11.**Chern, J-S**, Yang, S-W, Wu, C-Y. (2004). The effect of target location during whole body reaching on weight bearing symmetry for hemiplegic patients. Taiwan Biomedical Engineering Society Annual Symposium.
12.**Chern, J-S**., Yang, S-W. (2004). Whole body reaching as a measure of balance recovery for stroke patients. 5th World Stroke Congress. Vancouver B.C. Canada
13.Tsai, Y-C, Yang, S., & **Chern, J-S.** (2004). Effects of backward-walking training in improving the balance and weight shifting skill of stroke patients. 5th World Stroke Congress.
14.Yang, S., Yao, W-C., **Chern, J-S.** (2004) Using dynamic perturbation as the rehabilitation outcomes assessment for stroke patients. 5th World Stroke Congress
15.Wu, C-Y., Lin, K-C., Chen, C-L., & **Chern, J-S**. (2004). Influence of task

demands on upper extremity performance in patients with and without stroke: a kinematic study. 5th World Stroke Congress
16.Chern, J-S, Yang, S-W, Wu, C-Y. (2004). The effect of target location during whole body reaching on weight bearing symmetry for hemiplegic patients. Taiwan Biomedical Engineering Society Annual Symposium.
17.Chern, J-S., Yang, S-W. (2004). Whole body reaching as a measure of balance recovery for stroke patients. 5th World Stroke Congress
18.Tsai, Y-C, Yang, S., & Chern, J-S. (2004). Effects of backward-walking training in improving the balance and weight shifting skill of stroke patients. 5th World Stroke Congress. 5th World Stroke Congress
19.Yang, S., Yao, W-C., Chern, J-S. (2004) Using dynamic perturbation as the rehabilitation outcomes assessment for stroke patients. 5th World Stroke Congress
20.Wu, C-Y., Lin, K-C., Chen, C-L., & Chern, J-S. (2004). Influence of task demands on upper extremity performance in patients with and without stroke: a kinematic study. 5th World Stroke Congress
21.Chern, J-S, Yang S-W, Hwang W-S, Yan L-L, Liu, Y-K. (2002). Improving balance skills of stroke patients with virtual reality treadmill exercise. 4th world Congress of biomechanics, Calgary, Canada.
22.Pan, A. & Chern, J-S. (1999). Functional Evaluation in Asia: Taiwan experience. Abstract book of the second Asia-Pacific Occupational Therapy Congress, 25.
23.Chen, Y_H., Chern, J-S., & Wu, C-Y. (1999) Effects of contextual interference on acquisition retention, and transfer performances. The 2nd Asia-pacific Occupational Therapy Congress, Taipei, Taiwan.