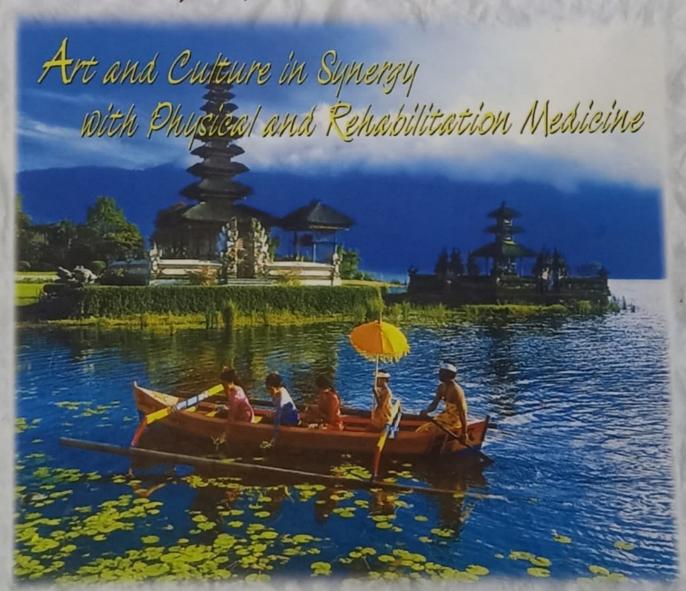




The 3rd Asia-Oceanian Conference of Physical and Rehabilitation Medicine in Conjunction with The XI Annual Scientific Meeting of The Indonesian Physical Medicine and Rehabilitation Association (PIT XI PERDOSRI)

20th - 23rd May 2012, Bali Nusa Dua Convention Center, Indonesia



Organized by: The Indonesian Physical Medicine and Rehabilitation Association

ABSTRACTS

The 3rd Asia-Oceanian Conference of Physical and Rehabilitation Medicine in Conjunction with The XI Annual Scientific Meeting of The Indonesian Physical Medicine and Rehabilitation Association (PIT XI PERDOSRI)

MAY 20–23, 2012, BALI, INDONESIA



WELCOME TO BALI

Dear Colleagues and Friends,

You are cordially invited to The 3rd Asia-Oceanian Conference of Physical and Rehabilitation Medicine in Conjunction with The XI Annual Scientific Meeting of The Indonesian Physical Medicine and Rehabilitation Association (PIT XI PERDOSRI), 20th–23rd May 2012, Rali Indonesia.

Come and enjoy a marvelous meeting at the world famous Island of gods. The perfect combination of gorgeous tropical and beach landscape, exotic, preserved and unique culture together with Balinese cuisine will certainly make the 3rd AOCPRM an unforgettable event.

Bali is easly reached from every corner of the world with direct flight from Jakarta, Singapore, Hong Kong, Bangkok, Kuala Lumpur, Taipei, Seol, Osaka, Tokyo, and major cities in Australia.

The organizing committee is preparing a high standard scientific program as well as memorable social events with cultural performances and sight seeing program.

Looking forward to meeting you soon in Bali and please contact us at accprmbali@pharma-pro.com for further information.

Warmest regards,

Peni Kusumastuti, MD 3rd AOCPRM President Prof. Angela B.M. Tulaar, MD Honorary President 0521PP033

EFFECT OF 45° RECLINING SITTING POSTURE ON EFFECT OWING IN THE PATIENT WITH DYSPHAGIA

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Propose. To find the effect of 45° reclining sitting posture on Purpose. To this patient with dysphagia. Materials and Methods: seallowing in the system of the patients with dysphagia were evaluated. Videofluoroscopic twenty-five patients with dysphagia were evaluated. Twenty-five patients wall of a larger were evaluated. Videofluoroscopic swallowing Study (VFSS) was done for each patient in 90° swallowing study (VFSS) was done for each patient in 90° swallowing and then 45° reclining sitting posture. Patients swallowed evel and then 45° reclining sitting posture. Patients swallowed evaluated by the study of the study skinds of bounds, yogurt and cooked rice with barium to provide penetration-Aspiration Scale (PAS). Oral Transitions hand, thick inquite, years and scale (PAS), Oral Transit Time contrast. Penetration-Aspiration Scale (PAS), Oral Transit Time (OTT), Pharyngeal Delay Time (PDT), Pharyngeal Transit Time (OTT), Pharyngeal in yalleculae and pyriform sinuses. ptt), residue in valleculae and pyriform sinuses, premature blus loss and nasal penetration were analyzed. We compared the solus of VFSS in 45° reclining sitting posture with those in 90° mails of VFSS in 45° reclining sitting posture with those in 90° main posture. Results: The mean PAS on 2 miles in 90° results of VISS are Results: The mean PAS on 2 ml thin liquid in the rest sitting posture. Results: The mean PAS on 2 ml thin liquid in the results in posture was 2.92±2.69 and that in Occurrence was 2.92±2.69 and the results are results. erect sitting posture. Resilids. The inicial FAS on 2 ml thin liquid in 45° reclining sitting posture was 2.92±2.69 and that in 90° erect sitting posture was 1.28±0.67. The mean PAS on 2 ml thin liquid decreased significantly in 45° reclining sitting posture (p=0.007). decreased significants) and thin liquid in 45° reclining sitting posture (p=0.007).

And the mean PAS on 5ml thin liquid in 45° reclining sitting posture showed decreasing tendency. The residue in valleculae decreased showed decreased significantly on all kinds of boluses in 45° reclining sitting posture p=0.000, 0.002, 0.003, 0.000, 0.020, respectively). And, the residue in pyriform sinuses increased significantly on 5ml thin liquid, thick is pyriform sinuses increased significantly on 5ml thin liquid, thick is pyriform sinuses in OTT PDT PTT prematically. There were is possible of the property of the pro no significant differences in OTT, PDT, PTT, premature bolus loss and nasal penetration in both postures. Conclusion: In this study, PAS on 2 ml thin liquid and residue in valleculae on all kinds of pas on 2 in this radio did so reclining sitting posture. So, we suppose that 45° reclining sitting posture on swallowing is beneficial for the patient with penetration or aspiration on small amounts of thin liquid and large amount of residue in valleculae.

0521PP034

THE EFFECT OF POSITION OF IMMOBILIZATION UPON THE TENSILE PROPERTIES IN INJURED ACHILLES TENDON OF RAT

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Purpose: To examine the effect of the posture upon the tensile properties minjured Achilles tendon of rat for an initial period of immobilization. Materials and Methods: Forty-two male Sprague-Dawley rats (Taconic Laboratories; 8 weeks old, 240-300 g) were used. Eighteen tals received a total transection of the right Achilles tendon to mimic a lotal tendon rupture and divided into three groups of 3 rats each. Ande of group A was immobilized at 60° of plantarflexion posture with a synthetic cast. Ankle of group B was immobilized at neutral posture with a cast. Ankle of group C was immobilized at 60° of desification posture with a cast. The other 18 rats received a hemiresection of the right Achilles tendon to mimic a partial tendon rupture ad divided into three groups as above. Another 6 rats were kept free a control After 14 days, we dissected the Achilles tendon of each We analyzed maximum force (N), stiffness (N/mm), energy (I) using a testing machine (Universal testing machine 5569, LISA). For histological assessments of collagen organization, The Achilles tendon of 6 rats from each groups were reserved for and Picrosirius staining was there for the collagen fiber status. Results: Compared to the control Boup, the other 3 groups showed significantly decreased values of marinim force, stiffness and energy except the energy of group C in bal tenotomy. There were no significant differences among the other groups. In comparison among test groups A, B, C, Maximum force of Group C was significantly higher. Conclusion: Dorsiflexion posture in partial ruptured Achilles tendon showed better healing. effect than other immobilized postures. However, in total ruptured, dorsiflexion posture showed better healing tendency only. Further study considering the duration of immobilization or the effect of

0521PP035

REHABILITATION IN TYPE V (SCHATZKER) TIBIAL PLATEAU FRACTURE POST OPEN REDUCTION AND INTERNAL FIXATION: A CASE REPORT

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Background: Tibial plateau fracture involves the proximal aspect or metaphysic of the tibia and frequently the articular surface as well. They are subdivided into six types by Schatzker. Type V is a bicondylar fracture involving both plateaus. It is also known as an inverted Y fracture and usually associated with an articular injury. Case: A 24-year-old male was referred to Rehabilitation Department from Orthopedic Department two weeks ago after an Open Reduction and Internal Fixation on his right tibial plateau. He had a history of motorcycle accident 8 months ago. He felt pain on the right knee with restricted right knee range of motion. The rehabilitation program consist of strengthening exercise, range of motion exercise, gentle stretching exercise on hamstring and quadriceps muscles and gait training with bilateral crutches. The prescription is given based on the time after surgery and the stage of bone healing that can be seen in the x-ray examination. Results: After 8 months the range of motion increased, the pain was decreased, but still getting worst when he lift heavy weight. Now, he was able to walk full weight bearing without crutches, and able return to work. Conclusion: Rehabilitation program could improve functional outcome of patient with Type V (Schatzker) Tibial Plateau Fracture post Open Reduction and Internal Fixation.

0521PP036

EFFECTS OF ELECTROACUPUNCTURE ON RECENT STROKE WITH INCOMPLETE BLADDER EMPTYING A PRELIMINARY STUDY

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Purpose: Incomplete bladder emptying (IBE) was defined as having a post-void residual (PVR) urine volume greater than 100 ml on two consecutive days. IBE is common among patients with stroke and might necessitate indwelling or intermittent catheterization. IBE is correlated with urinary tract infection, which could impede progress in rehabilitation and increase medical costs. The treatment of patients with IBE included bladder retraining and biofeedback, medication, or botulinum toxin injection, but none of these managements is completely effective. Materials and Methods: All patients with acute stroke admitted to the rehabilitation ward between August 2010 and April 2011 were included to check for PVR urine volume. Electroacupuncture (EA) (1Hz, 20 min) on the acu-points including Sanyinjiao (SP6), ciliao (BL32) and Pangguangshu (BL28) were selected to treat stroke patients with IBE for a total of ten times of treatment (five times/week). Bladder diaries including the spontaneous voiding volume and PVR urine volume were recorded during the treatment course. Results: Nine of 49 patients (18%) had IBE. Seven stroke patients with IBE were treated with EA. Increased spontaneous voiding volume and decreased PVR urine volume were noted after 10 times EA. Conclusion: EA may have beneficial effects on improvement in stroke survivors with IBE and could be another safe modality to improve the urination function.