

## Contents

### - Papers -

Career path for obtaining an electrician's qualification and its effects .....	Kazushi Motoi, Masami Sasaki and Yoshihiro Ichinohe	1
Research on the Progress of the Nursing Students' Assertiveness .....	Miki Iijima, Kaori Takeda, Reiko Nihonyanagi and Yuko Hayashi	9
Research on the Quality of Life and Satisfaction with the Hemodialysis for the Clients in a Small Provincial Town .....	Miki Iijima, Kaori Takeda	17
A literature review regarding the effects of tai chi exercise on the health of middle aged and elderly People .....	Chiho Sasahara, Michiko Matsubara	25
A study of Thoughts to Working of People with Mental Disorder Living in Community from the Viewpoint of Recover .....	Hiromi Sasaki	33
Factors Influencing the Mothers' Knowledge of Sudden Infant Death Syndrome .....	Masato Ichikawa	41
Influences of Age and Sex on Oral Functions among Community-Dwelling Independent Older Adults: Surveys in an Area of Sapporo .....	Junko Ouchi, Yuko Hayashi, Michiko Matsubara Kumiko Miyata, Yoichiro Sato, Michiyo Yamamoto Hiromi Sasaki, Mika Ito, Kaoru Fukura and Tetsuo Okazaki	47
Recognition of end-of-life care of care workers due to the difference by the duration of work .....	Michiyo Yamamoto, Yoriko Takahashi and Asae Ourat	55
Focusing on Gender and Residence Status for University Student in Japan .....	Tomomi Kusano, Yachiyo Yamamoto, Naomi Maeda Tamotu Mitamura, Takatoshi Kato, Hiromi Honma Sonoko Takano, Sachiko Muto and Koichi Yano	63
Actual condition survey of children first aid telephone consultation in Sapporo "First aid relieved center Sapporo" .....	Koji Ishikawa, Michiko Matsubara, Keisuke Nakamura, Naoki Nishimoto Masato Ichikawa, Tetsuo Okazaki and Yuko Hayashi	71
Current Status and Tasks Survey of Medical Protocol for Telephone Consultation in A City on Group Interviews with Nursing Staff .....	Keisuke Nakamura, Michiko Matsubara, Koji Ishikawa Naoki Nishimoto, Tetsuo Okazaki and Yuko Hayashi	77
Relationship Between Toe Flexion Strength and Center of Foot Pressure by Moving Center of Gravity in Anteroposterior Direction .....	Yuji Tanaka, Yoshiki Suzuki Hirokazu Haruna and Shiho Hosoya	85

Compensatory Trunk Motion during Gait when Using the HAL Robot Suit in Patients with Hemiplegia .....	Hirokazu Haruna, Keisuke Kon, Yuji Tanaka, Shiho Hosoya Takumi Ino, Ryo Matsumura and Shunichi Sugihara	91
Development of multivariate model to predict foot length under weight-bearing standing position based on non-weight-bearing measurement .....	Keisuke kon, Shingo Shimizu, Toshiki Kobayashi, Masaharu Akiyama Shin Murahara, Takeshi Tsuruga and Yasuyuki Hayakawa	97
A fundamental study of pH and tape holding power when taping a hemodialysis needle .....	Takeshi Aikawa, Shotaro Watanabe, Toshitsugu Sugawara Toru Yokoyama, Kazuyuki Kimura and Hisae Shimizu	105
Construction of the inclusive medical equipment management practice room for students at clinical engineer course .....	Shotaro Watanabe, Kazuyuki Kimura, Satoshi Kuroda Toshitsugu Sugawara, Takeshi Aikawa and Junji Arisawa	111
Measurement of presampling MTF for the computed tomography .....	Kohei Sasaki, Tetsuya Sanada and Yuji Yaegashi	117
Application of scattering suppression technique to multi-layer scattering model to realize optical transillumination imaging of internal shunt .....	Masataka Kitama, Yuta Ogawa, Hisae O.Shimizu, Masaji Yamashita Go Okuyama, Akihiro Kikuchi, Seiji Kumazawa and Koichi Shimizu	123
Pelvic Rotation in Gait and Standing Position of Trans-Femoral Amputees .....	Mao Wada, Yasuyuki Hayakawa, Keisuke Kon Hiroyuki Mastubara and Toshiya Nosaka	131
Performance Improvement of Differential Image Compression for Screen Distribution System using GPU and Parallel Computing .....	Yuji Fukai, Hiroaki Kawai and Osamu Nakano	139
- Research Reports -		
Consideration of one case used the Solution Focused Approach (SFA) to a hyperglycemic type 2 diabetic patient who was unable to modify his lifestyle .....	Takatoshi Kato	147
Construction and Practice of First-year Information Literacy Classes Using Self-Regulating Learning .....	Yuji Fukai, Hiroaki Kawai and Osamu Nakano	155
Functional Needs for the Development of Myoelectric Trans-radial Prosthetic Hand with Normal Motor Function .....	Gai Higuchi, Keisuke Kon, Toshiya Nosaka, Yasuyuki Hayakawa Takeshi Tsuruga, Masaki Shirai and Hiroyuki Matsubara	163
Possibility of the Fuel Cell Vehicle Spread in Hokkaido .....	Akihiro Kido, Tomomi Kaneko and Takemi Chikahisa	169

Energy Management for an Electric Vehicle  
..... Makoto Kagata, Tomohiro Sakata 175

- Educational Practice Reports -

Cooperation Between an Elementary School and Junior High School  
in Designing an English Curriculum  
..... Toshiharu Akiyama 179