

## School of Nursing

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### Basic Nursing I

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Sawako Haga, *Professor*  
Mayumi Kikuchi, *Assistant Professor*

Machiko Hirao, *Associate Professor*

#### Research Activities

The research activities of the basic nursing group can be divided into the following 3 areas.

Haga has been investigating the effects of physical assessment by nurses, the evidence of nursing skill, and the history of nursing.

Hirao has been investigating the history of nursing and Nightingale's thoughts about nursing.

Kikuchi has been investigating the effects of nursing education, teaching methods, and nursing diagnosis.

#### Reviews and Books

**Onoda T supervised, Takahashi A, Haga S, Sato F, editors.** Practice! Physical assessment (in Japanese). 3<sup>rd</sup> ed., Tokyo: Kanehara; 2007.

**Haga S, Hirao M, Ebina F.** A study of Dr. Kanehiro Takaki's thought on health education (2): from his opinions related to the improvement of high school and university education (in Japanese). *J Jpn Soc Med Hist* 2007; **53**: 70-1.

**Haga S, Hanyu C Kikuchi M, Hirao M, Aoki N.** The practice of the physical assessment's lecture (in Japanese). *Kango Jinzai Kyouiku* 2007; **4**: 107-19.

**Oishi S, Kita K, Hirao M, Haga S.** Censorship in occupied Japan(3) (in Japanese). *J Jpn Soc Med Hist* 2007; **53**: 100-1.

**Ebina F, Hirao M, Haga S.** Dr. Kanehiro Takaki's thought on woman's health through the woman's journal and newspaper in Meiji and Taisho Era (in Japanese). Proceedings of the 21<sup>st</sup> Academic Conference Japan Academy of Nursing History, 2007. p. 62-3.

**Hirao M, Haga S.** Hora's thought on Nightingale, through her nursing Journal of "Kangohu" (in Japanese). Proceedings of the 27<sup>th</sup> Academic Conference Japan Academy of Nursing Science, 2007. p. 192.

**Hirao M, Daidouji K.** Hirano Jusei, the Author of

"Byo-ka suchi" (1832) and his idea of natural healing power (in English). Proceedings of the International Historical Conference: 150<sup>th</sup> Anniversary of the beginning of Modern Western-style Medical Education in Japan, 2007. p. 69.

**Nakamura S, Hirao M.** Knowledge and Nursing, Written in of "Tamano Utsui"(1837) by Jusei Hirano (in Japanese). *J Jpn Soc Med Hist* 2007; **53**: 148-9.

**Saito A, Kuroda Y, Takahashi Y, Yanagiya H, Kikuchi M.** Qualitative inquiry for appropriateness of nurse's clinical judgment that was diagnosed for "Acute Pain" to patients conditions-case analysis from nursing records (in Japanese). *J Nursing Diag* 2007; **12**: 50-8.

**Nakahuji M, Kuroda Y, Takahashi Y, Yanagiya H, Kikuchi M.** Qualitative analysis of the inspection of nursing records in the establishment which used the computer system in NANDA-NIC-NOC (in Japanese). Proceedings of the 13<sup>th</sup> Academic Conference Japan Academy of Nursing Diagnosis, 2007. p. 177-8.

**Hanyu C.** Physical informations and psychological reactions of the elderly by nursing intervention with physical assessment (in Japanese). Proceedings of the 6<sup>th</sup> Academic Conference Japan Academy of Nursing Art and Science, 2007. p. 48.

## Basic Nursing 2

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Sugino Oishi, *Professor*

### General Summary

To clarify the characteristics of the Japanese nursing system after World War II, I have been studying the history of nursing and analyzing the factors affecting the Japanese nursing system.

### Research Activities

#### *Analysis of factors affecting the Japanese nursing system*

The purpose of this study was to analyze changes in the numbers of nurses and assistant nurses, the ratio of the number of nurses to that of the combined total number of nurses and assistant nurses (nurse ratio), and the factors that caused the changes from 1998 through 2004 in Japan. For these analyses, official dates were used.

The results were as follows. 1) From 1998 through 2004, nurse ratios increased in all prefectures. 2) The nurse ratio and number of nurses in each facility depended on the structure of the population and the medical system. 3) Differences in nursing structures between prefectures were affected by the percentage of elderly persons and economic conditions.

I presented the results in my lecture on informatics science.

#### *Study of the policy of the Nursing Affairs Division GHQ by analyzing censorship by GHQ*

Records of the censorship of medical and nursing publications from 1945 through 1949 in occupied Japan are thought to be housed in the Gordon W. Prange Collection at the University of Maryland.

The purpose of this study was to investigate the circumstances of publishing and the criteria for censorship by General Headquarters Supreme Commander for the Allied Powers (GHQ) in occupied Japan. We visited the Gordon W. Prange Collection and collected and analyzed nursing books, nursing magazines, nursing newspapers, and censored documents of the Gordon W. Prange Collection.

The results were as follows. 1) The Nursing Affairs Division of GHQ censored the Japanese Nurses Association's journal before it was censored by the Civil Censorship Detachment of GHQ. 2) GHQ's position on censorship evolved during the occupation. 3) Statistics on publication, circulation, and subscribers of Japanese nursing magazines were discovered.

#### *Historical research on Japanese nursing reform after World War II*

The Nursing Affairs Division of GHQ revised the nursing law and the nursing system during the occupation. The present Japanese nursing system is based on the nursing

reforms of GHQ but has been modified because of economic and educational problems. I obtained information from the GHQ records and related persons to investigate nursing reform.

I introduced the methods of historical investigation and presented the results of my study to students in my lecture on nursing management.

### Publications

**Oishi S.** Quantitative analysis of the changes in the number of nurses and assistant nurses in Japan from 1998 to 2004 (in Japanese). *Tokyo Jikeikai Med J* 2008; **123**: 15–25.

**Oishi S, Kita K, Hirao M, Haga S.** Censorship in occupied Japan(3): “Sukoyaka”. the Journal of the Public Health Nurse’s Association in Nagano.

*J Jpn Soc Med Hist* 2007; **53**: 100–1.

### Reviews

**Oishi S.** Home care nursing (in Japanese). *Jpn J Home Care Nursing* 2007; **12**: 388–94.

## Adult Nursing

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Shoko Fujino, *Professor*

Chie Watanabe, *Assistant Professor*

### General Summary

We have studied the acquisition of nursing skills in clinical adult practice. We examined the achievement of nursing skills in nursing having some experience in adult nursing practice.

We investigated what nursing skills graduates had wanted to study while they were students at our university. Many nurses wanted to learn how to dispense medicines to patients and how to manage drip infusions. We increased the number of classes teaching these skills.

### Research Activities

Fujino examined effective touch techniques by nurses for palliative care. The results were classified and described in 17 concepts and 11 categories. When the nurses touched to the patient in palliative care, it was very important with the observation of “Cueing” sign from patients. The touches that the patient expected and accepted, kept the comfort of patients. We called the touching as “Caring touch”.

Watanabe performed a nationwide survey about information given by oncologists regarding chemotherapy-related infertility. On the basis of these results, we published a booklet about sexuality and fertility issues after chemotherapy for cancer survivors. We have developed guidelines on nursing care for ambulatory chemotherapy. We are also planning a study evaluating preventive intervention for postoperative lymphedema.

## Publications

**Watanabe C, Takahashi M<sup>1</sup>, Kai I<sup>1</sup> (<sup>1</sup>Tokyo Univ).** Hematologist practices and attitude toward chemotherapy-related infertility (in Japanese). *Gan To Kagaku Ryoho* 2007; **34**: 891-6.

**Ennishi D<sup>1</sup>, Yokoyama M<sup>2</sup>, Mishima Y<sup>2</sup>, Watanabe C, Terui Y<sup>2</sup>, Takahashi S<sup>2</sup>, Takeuchi K<sup>2</sup>, Ikeda K<sup>2</sup>, Tanimoto M<sup>1</sup> (<sup>1</sup>Okayama Univ), Hatake K<sup>2</sup> (<sup>2</sup>Cancer Inst Hosp).** Rituximab plus CHOP as an initial chemotherapy for patients with disseminated MALT lymphoma. *Leuk Lymphoma* 2007; **48**: 2241-3.

**Matsuda M<sup>1</sup>, Matsusaka S<sup>1</sup>, Kuboki Y<sup>1</sup>, Itimura T<sup>1</sup>, Ogura M<sup>1</sup>, Suenaga M<sup>1</sup>, Syouji D<sup>1</sup>, Watanabe C, Chin K<sup>1</sup>, Mizunuma N<sup>1</sup>, Hatake K<sup>1</sup> (<sup>1</sup>Cancer Inst Hosp).** Retrospective analysis of FOLFOX4 neurotoxicity for recovery from advanced colorectal cancer (in Japanese). *Gan To Kagaku Ryoho* 2008; **35**: 461-6.

## Reviews

**Fujino S.** Relaxation (in Japanese). In: Basic technique of nursing. 2<sup>nd</sup>ed. Tokyo: Igakugeijutsusha; 2007. p. 311-3.

**Fujino S.** Massage (in Japanese). In: Basic technique of nursing. 2<sup>nd</sup>ed. Tokyo: Igakugeijutsusha; 2007. p. 314-7.

susya; 2007. p. 314-7.

**Fujino S.** S-G catheterization (in Japanese). In: Basic technique of nursing. 2<sup>nd</sup>ed. Tokyo: Igakugeijutsusha; 2007. p. 556-61.

**Fujino S.** CPR (in Japanese). In: Basic technique of nursing. 2<sup>nd</sup>ed. Tokyo: Igakugeijutsusha; 2007. p. 578-605.

**Fujino S.** Bed sore (in Japanese). In: Basic technique of nursing. 2<sup>nd</sup>ed. Tokyo: Igakugeijutsusha; 2007. p. 634-43.

**Fujino S.** Cancer nursing (in Japanese). In: Basic technique of nursing. 2<sup>nd</sup>ed. Tokyo: Igakugeijutsusha; 2007. p. 644-59.

**Fujino S.** Teaching in nursing practice (in Japanese). In: Basic technique of nursing. 2<sup>nd</sup>ed. Tokyo: Igakugeijutsusha; 2007. p. 660-73.

**Fujino S.** Terminal care (in Japanese). In: Basic technique of nursing. 2<sup>nd</sup>ed. Tokyo: Igakugeijutsusha; 2007. p. 684-90.

**Watanabe C.** Stoma care (in Japanese). In: Basic technique of nursing. 2<sup>nd</sup>ed. Tokyo: Igakugeijutsusha; 2007. p. 182-7.

**Yokoi S.** Cardiac catheterization test (in Japanese). In: Basic technique of nursing. 2<sup>nd</sup>ed. Tokyo: Igakugeijutsusha; 2007. p. 382-91.

## Gerontological Nursing

Miyoko Sakurai, *Professor*

Kumiko Date, *Associate Professor*

## General Summary

The main research interest of our division is nursing intervention for elderly persons with chronic health problem and for their family members.

## Research Activities

### *Study of education about pressure ulcers*

The main subject in our division is studying ways to prevent pressure ulcers in elderly persons. We began an investigation of basic nursing skills and education about pressure ulcers.

### *Research on the fatigue of family caregivers for elderly persons with dementia*

Sakurai et al. have been investigating the psychological conflicts of family caregivers for elderly persons with dementia.

*Relationship between health and lifestyle in elderly adults*

Date has been investigating the health status and various factors influencing it among middle-aged and elderly adults for primary and secondary prevention of lifestyle-related diseases from a comprehensive perspective, including nutrition, exercise, and rest.

## Mental Health and Psychiatric Nursing

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Setsuko Hayashi, *Assistant Professor*

### Research Activities

I studied the educational relationships between teachers and nursing students with mental health problem and then investigated nurses' awareness of psychiatric nursing practice.

This time, I investigated nurses' hesitation about and awareness of nursing practice in psychiatric wards, which have recently included an increasing number of private rooms. As a result, by being one patient per one life space, the nurses became aware of the ease of stabilizing the mental status of patients, the ease of caring for the needs of each patient, and the accessibility of psychiatric practice for citizens. In contrast, the nurses became aware of the difficulty of watching the practice of other nurses, of keeping a suitable distance from patients, and of protecting patient's privacy, and then hesitated.

### Publications

**Hayashi S, Teraoka T (Keio Univ, Graduate Student), Ikebe T (Yokohama City Univ).** Nurses' hesitation and awareness to nursing

practice in the psychiatric wards that consists of private room (in Japanese). *Nippon Seishin Hoken Kango Gakkaishi* 2007; **16**: 67-74.

## Child Nursing

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Kiyo Hamanaka, *Professor*

Kayo Cho, *Assistant Professor*

### Research Activities

*The present conditions and problems of basic education in child nursing*

Hamanaka presented results of a study from the previous year at the conference of the Japanese Society of Child Health Nursing. The results will be applied to a future curriculum.

*The present conditions and problems of postgraduate education in child nursing*

Hamanaka submitted for publication the results of a study conducted the year before last.

*Development and verification of educational support programs for continuing work in the clinical area of child care*

*A study of the organization of practice in nursing with outpatients and outpatient nursing to promote the health of children in basic education*

Hamanaka started a study of the organization of practice in nursing with outpatients and outpatient nursing to promote the health of children in basic education and carried out a training program based on a tentative plan.

As a co-author of a study with the support of a Grant-in Aid for Scientific Research from the Ministry of Education, Culture, Sports, Science and Technology, Hamanaka presented results of a study from last year at 2 congresses and chaired a session at the annual meeting of the Society of Ambulatory and General Pediatrics of Japan. In addition, Hamanaka twice performed focus group interviews about nursing practice for outpatients. In addition, a program for health promotion was reviewed.

*The social growth process of children with end-stage renal disease and drafting a support plan by offering information*

Cho interviewed children with end-stage renal disease and their parents to clarify methods to deal with problems that patients and parents face in the process of social growth. This research is supported by a Grant-in-Aid for Scientific Research from the Ministry of Education, Culture, Sports, Science and Technology.

### Publications

**Hamanaka K., Hanazawa Y.** The current status of and issues concerning new staff and preceptors related to postgraduate education and guid-

ance in the field of child nursing : from an investigation undertaken at a general hospital. *J JSCHN* 2008; **17**: 31-7.

## Maternity Nursing

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Kimiko Kayashima, *Professor*

Yasuko Hososaka, *Assistant Professor*

### General Summary

Studies have been performed to examine the various health issues in each of the lifestyle stages of women and to explore how nursing assistance should be extended in maternal nursing.

### Research Activities

*Menstrual symptoms and their relationship with women's perception on health, gender and own physique*

A study of 394 female students collected data on menstrual symptoms and their relation-

ship with women's perception of health, gender, and their own physiques. The data indicated that women recognized themselves as the greatest factor affecting health. Although 93.5% of the subjects had a body-mass index of 25 kg/m<sup>2</sup> or less, 40.1% of subjects considered themselves to be "slightly overweight" or "overweight." The relationship between individual factors and menstrual symptoms is being analyzed and is to be presented to the relevant academic society following more detailed analysis.

#### *Health issues and nursing assistance during adolescence*

Unwanted pregnancy, sexually transmitted diseases (STDs), self-harm behavior, and malignant tumors have been examined as typical health issues of adolescence. In the international comparison of awareness of the prevention of unwanted pregnancy and STDs, Japan showed a low level of consciousness of preventing STDs and a high level of perception that men should initiate contraception despite the high rate of sexual experience among the Japanese population. The study of trends in self-harm behavioral research identified an increase in the number of cases reported in the psychiatric literature and an increase in the number of cases that involved difficulty in handling patients since 1996. An interview with an adolescent girl with ovarian cancer found that the patient was undergoing treatment with support from her parents while suffering from inner conflict between the emotional reliance on her parents and the adolescent desire for independence.

#### *Bacteriological study of nosocomial infections from the molecular epidemiological and drug sensitivity approaches*

*MecA*-positive *Staphylococcus aureus* and *S. aureus* resistant to vancomycin, and linezolid, and methicillin, which are especially problematic causes of nosocomial infections, were analyzed in detail using molecular epidemiological and drug-sensitivity approaches. Many of these bacteria are already resistant to antibacterial drugs currently used against methicillin-resistant *S. aureus*. It is necessary to monitor their future trends.

#### Publications

**Hososaka Y, Hanaki H<sup>1</sup>, Endo H<sup>1</sup>, Suzuki Y<sup>1</sup>, Nagasawa N (Kyushu Univ), Otsuka Y (Soc Insur Central Gen Hosp), Nakae T<sup>1</sup>, Sunakawa K<sup>1</sup> (<sup>1</sup>Kitasato Inst).** Characterization of the oxacillin-susceptible *mecA*-positive *Staphylococcus aureus*: a new type of MRSA. *J Infect Chemother* 2007; **13**: 79-86.

**Hanaki H<sup>1</sup>, Hososaka Y, Yanagisawan C<sup>1</sup>, Yamaguchi Y<sup>1</sup>, Matsui H<sup>1</sup>, Nakae T<sup>1</sup>, Sunakawa K<sup>1</sup> (<sup>1</sup>Kitasato Inst).** Occurrence of vancomycin-

intermediate-resistant *Staphylococcus aureus* in Japan. *J Infect Chemother* 2007; **13**: 118-21.

#### Reviews and Books

**Kayashima K.** Nursing practice-Science of Nursing-Maternity Nursing (in Japanese). Kawano M, supervision. Kayashima K, editor. Tokyo: Radiological Technology Publishing; 2007. p. 8-34.

## Community Health Nursing

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Noriko Okuyama, *Professor*

Miki Shimada, *Associate Professor*

### General Summary

The major research projects in our department have been focused on: 1) the development of teaching materials, 2) learning achievement degree of the public health nurse and 3) establishing a community-based end-of-life care system through the organization of social capital.

### Research Activities

#### *Community health nursing education*

In a society with an aging population and a falling birthrate, the primary requirements for nurses engaged in community health nursing are quick response, collaboration, ethics, morals, and, most importantly, the ability to respond to drastically changing social demands. The aim of this research was to examine whether early exposure is an effective learning method for student nurses in community health nursing education.

#### *Establishing a community-based end-of-life care system through the organization of social capital*

The purpose of this study was to identify the components necessary to establish a care system, such as a mutual regional support mechanism, understanding by the general public, and network structures, focusing on social capital, to play a role in the establishment of a community-based end-of-life care system.

### Publications

**Yoshioka Y (Tsukuba Univ), Kinoshita Y (Ibaraki Pref Coll), Okuyama N.** A study about the study start time of community health nursing in a first

degree. *J Jpn Acad Commun Health Nurs* 2008; **10**: 94-100.

## Home Care Nursing

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Masako Sato, *Associate Professor*

Hiromi Kasuga, *Assistant Professor*

### General Summary

Home care nursing is the field that concerns patients who receive medical treatment at home, families who care for patients, and the nursing support needed by patients and their families.



## Research Activities

### *Research on an e-learning system for nursing students*

To plan a seminar and practicum effectively in a limited time, we used the “Moodle” e-learning system, which is a management system for online courses, as a self-learning tool. We obtained some data about using this system for nursing students. In future studies, we will explore the possibilities of using this system in various situations for the study of home care nursing.

### *Research about cancer patients who die at home and their families*

We investigated the amount of money spent for treatment by the families of patients who died of cancer at home. We also investigated the feelings of the families and what support visiting nurses provided to the families of patients with terminal cancer who received medical treatment at home.

### *Study of the structure of mental experiences of patients with progressive, intractable disease based on the analysis of their diaries*

We clarified the mental experience of patients with amyotrophic lateral sclerosis, as an example of a progressive, intractable disease. We performed a qualitative analysis of the diaries written by a patient with amyotrophic lateral sclerosis.

### *Study of changes in the thoughts of citizens concerning medical services in a municipality under rehabilitation*

In a municipality under rehabilitation, we studied changes in the citizens’ thoughts about medical services, after privatization of the local hospital. We will continue this research in the future, too.

## Publications

**Sato M, Kasuga H.** The study about structure of mental experience with progressed intractable disease based on the analysis of their diaries (in Japanese). *Jpn J Health Sci (Gunma Counseling Assoc)* 2007; **11**: 51-6.

## Reviews

**Kasuga H.** The pioneer of home care nursing the 12<sup>th</sup> series (in Japanese). *J Home Care Nursing* 2007; 4.