



Department of Clinical Nursing  
Graduate Course of Nursing Science  
Division of Health Sciences  
School of Health Sciences  
College of Medical Pharmaceutical and Health Sciences  
Kanazawa University

# Field of Wound Management Nursing 2025

# We aim at constructing the evidence of wound management and skin care from an interdisciplinary approach!



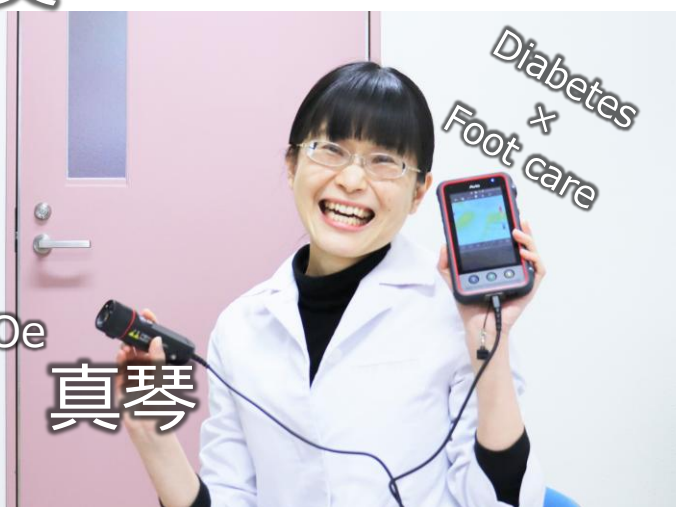
Professor  
Mayumi Okuwa  
大桑麻由美

I am currently investigating the effectiveness of vibration massage in promoting peripheral circulation and preventing wound development in patients at high risk for peripheral arterial disease.

I have experience researching various wound care and skin care issues, including pressure injury, radiation dermatitis, and edema!

I am developing technology to detect high-risk conditions for diabetic foot ulcers using thermography. I am also working on international research in Indonesia.

Professor  
Makoto Oe  
大江 真琴



Associate Professor  
Kanae Mukai  
向井加奈恵

With the improvement of women's wellness as my number one priority, I am investigating the mechanism by which estrogen promotes skin wound healing and exploring skin care methods. I use biology techniques to pursue optimal wound and skin care!

## Assistant Professor Yukari Nakajima

Research topic: Elucidation of the mechanism of lymphedema and development of new treatment methods

## Assistant Professor Sayumi Ichihashi

Research topics: Examination of care for elderly people with chronic lower limb edema, and development of an ultrasound-based method for evaluating edema

## Assistant Professor Mai Kitagawa

Research topics: Nursing support for workers with diabetes from a lifestyle perspective, and prevention of pressure injuries at home in collaboration with care managers



## Our Pride 1

**The tradition of wound care.**

**Many graduates are currently active in the field.**

- ✓ Since its founding in 2000 as a department specializing in wound care, which is rare in Japan, the department has produced 70 master's degree students and 40 doctoral degree students. Graduates are active in hospitals, educational and research institutions, etc.
- ✓ An alumni reunion is held once a year. Even after graduation, students can continue to interact with professors and fellow alumni, so they can receive ongoing support for research, career paths, etc.



Alumni reunion in 2025

## Our Pride 2

**We specialize in technological development**

**based on nursing science and engineering, based on clinical needs.**

- ✓ Based on the needs of clinical practice, we actively conduct interdisciplinary research through mechanism elucidation, manufacturing, and clinical evaluation, and develop evidence-based technologies.



Basic Research  
(Dr. Mukai)

**Basic research**  
(Mechanism elucidation)

Elucidating wound healing mechanisms using animals and cells

**Engineering research**  
(Manufacturing)

Product development through industry-academia collaboration



Developed vibrator

**Clinical research**  
(Needs identification and evaluation)

Evaluation of skin structure and function using engineering equipment such as ultrasound and thermography  
Verbalization of skin and wound morphology and characteristics using qualitative sketching techniques  
Evaluation of skin using molecular biological analysis methods

**Nursing science and engineering**



Clinical Research  
(Prof. Okuwa)

**Implementation research**  
(internationalization)



Implementation Research  
(Prof. Oe)

## Our Pride 3

**You can acquire not only research skills**

**but also specialized knowledge and skills in wound care.**

- ✓ You will acquire the knowledge and practical skills of skin care and wound management necessary for a nurse.
- ✓ You will gain the skills of a basic researcher in the field of nursing.
- ✓ You will acquire the ability to write research papers and give presentations in both English and Japanese.



Taking on the challenge of basic research for the first time



Under investigation at the wound clinic



Research presentation at international conference (Italy)!

Join us!



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