

CALNA is an educational framework supporting the future of medicine and the mission of physicians



WAKABAYASHI, Toshihiko

Physician's Education /
Research Program Using Body Donation
Principal Researcher

Establishment of Clinical Anatomy Lab NAGOYA (CALNA)

Clinical Anatomy Lab NAGOYA (CALNA), established in 2014, is a facility within Nagoya University's Graduate School of Medicine that utilizes cadavers donated to the University not only in the anatomical training of medical students but also in physicians' education and research. CALNA aims to conduct research with new approaches, beginning with training in surgical techniques, which are becoming increasingly advanced with progress in medicine.

As a neurosurgeon, I treat many patients, but brain waves differ from person to person, and I strongly feel the need to accumulate much experience in order to perform difficult operations unerringly.

It is natural for a physician to want to acquire complex surgical skills in a short period of time and confirm new findings or approaches to disease from the latest perspective. This is directly connected to the safety of the patients undergoing surgery. Overseas, we commonly find educational facilities where students use donated bodies to learn advanced clinical anatomy, practice surgical and laboratory techniques, and conduct research and development on the newest surgical techniques, but there are scarcely any such facilities in Japan. For this reason, many Japanese physicians have made efforts to create their own opportunities by going overseas.

The call to establish such an educational facility at our school came up from among young physicians. This is because they had a sense

of mission that they needed to "take the next step" as physicians. The first meeting of the preparatory committee was held on April 30, 2014. Afterwards, we started to create the necessary environment for establishment of the facility with powerful backup from the dean of the Graduate School of Medicine, the director of the hospital, and the professors of the 3 anatomy courses. Beginning with 5 clinical sources (neurosurgery, orthopedic surgery, hand surgery, plastic surgery, and otorhinolaryngology), a total of 20-odd courses were approved, paving the way for the establishment of CALNA. Centered on our school's clinical courses and anatomical courses, and with the understanding of many people in Public Interest Corporation FURO-KAI, we are about to take our first step toward the development of medicine and greater safety in medical care.

CALNA program conducted with improved facilities and environment

The presence of the small dissection training room called Gross Anatomy Lab II in Medical Science Research Building 3, newly established in 2014, is also one factor that is enhancing the CALNA program. Gross Anatomy Lab II, which was set up to educate a small number of students about dissection and provide a place to train and conduct research, has 8 work tables and is equipped similarly to the large dissection training room called Gross Anatomy Lab I.

At present, the target users of CALNA are our own students and physicians, etc., but in time we hope to make it possible for people outside the university to utilize it as well. We expect our school's efforts to lead to higher-level skills for physicians and the further development of medical science.

Organization Outline

Established in 2014 as a facility that utilizes cadavers donated to Nagoya University in physicians' education and research. Under the guidance of professors or associate professors from the Anatomy Laboratory (or management by persons qualified to perform autopsies), CALNA engages in education and research to improve the clinical anatomical knowledge of our students, research students, physicians, and other healthcare professionals and upgrade their surgical skills and laboratory technique.



Scene of a simulation conducted in advance



Gross Anatomy Lab II



Medical Science Research Building 3 with Gross Anatomy Lab II

PROFILE

WAKABAYASHI, Toshihiko

Born in 1954. Completed doctoral course in Nagoya University Graduate School of Medicine. Doctor of Medicine. Professor and vice dean of Nagoya University Graduate School of Medicine's Program in Integrated Medicine. His field of specialization is neurosurgery.

