



Leading developments in new healthcare

Helping medical professionals to update their skills

Whatever advantages certain medical devices and equipment may bring, if they are not used properly their full effectiveness will not be realized. In medical institutions where there is always too much to do, setting aside a time and place for training to update medical skills is difficult.



Terumo Medical Pranex houses facilities similar to those found in a functioning hospital, including the latest medical devices and equipment and simulators. We offer a wide variety of practical training programs, including training on advanced technologies such as cardiopulmonary systems and interventional systems and intravenous injection. As well as procedural hands-on guidance for junior residents, which is provided by skilled and experienced trainers, we also hold seminars and workshops for mixed groups of trainees at different institutions and distant geographical regions, providing them with valuable networking opportunities they may otherwise miss out on.

A center for manufacturing

Speedy product development responsive to actual needs

By providing our engineers and marketing staff with the freedom to formulate product concepts and carry out verifications in an environment similar to that of medical institutions, Terumo Medical Pranex has changed the way products are developed. By repeating exacting simulations to test prototypes and exchanging views with invited healthcare professionals, our associates are able to identify hidden needs as well as points for improvement. These findings are then reflected in the next prototype and, building upon these processes, products are gradually improved. Needless to say, the Terumo Medical Pranex is therefore an important resource for our associates, providing them with a place to try out our products themselves and thereby develop a greater understanding of healthcare practices.



Contributing to patient safety

Medical accidents do not only occur during the use of medical devices and equipment that require advanced skills. In fact, near-miss incidents happen most frequently during the administration of intravenous and other injections*, which is a common daily task. This is partly because of the many unexpected situations that can arise in a real-life situation, such as a sudden change in a patient's condition.

Training proposals at Terumo Medical Pranex include programs that help participants become aware of the critical importance of teamwork and sequential procedural processes they may have previously overlooked. For example, we recreate various situations, such as a sudden change in a patient's condition or an emergency care situation, to allow participants to reflect, by watching films, on how staff behave.

* See Japan Council for Quality Healthcare, *Project to Collect Medical Near-Miss/Adverse Event Information 2008 Annual Report*.

New encounters impact the future of healthcare

Connecting people, creating change

Terumo Medical Pranex, created with the aim of “creating and extending new healthcare,” is a bricks-and-mortar embodiment of Terumo's determination to do just that.



Having started to provide opportunities for exchange with Asian countries in our nurse training programs, Terumo Medical Pranex now receives about 10,000 visitors every year, including those from overseas, who take the opportunity presented to exchange ideas and practices among themselves. At our unique facilities (similar facilities exist nowhere else in the world), we continue to take on various challenges to improve the quality of global healthcare. Making sure our visitors have an inspiring experience and never leave without learning something new is one of the most rewarding parts of the job for Terumo Medical Pranex staff.

When people get together, the energy that is created has immeasurable potential. Terumo, more than anyone, is eagerly looking forward to seeing what new ideas will emerge.

Voice

Simulation training is crucial in medical education



Akira Yamashina, MD
Professor, Department of Circulatory Medicine, (former Head of Postgraduate Clinical Residents' Center), Tokyo Medical University Hospital

Training held at Terumo Medical Pranex is focused on “team-based medicine,” meaning care is provided by a team comprised of physicians and other healthcare professionals. These days, the need to improve healthcare is such that we are required to examine every line of movement of each team member to see if they can move more efficiently without any wasted movements. Observing the movements and role of each team member is impossible at a real hospital due to constraints of space and other factors. Terumo Medical Pranex is therefore the only place where we can conduct simulations in an environment very similar to real life.

In real-life healthcare practice, learning from mistakes is not feasible or acceptable. Simulations therefore provide participants with opportunities to become aware of a multitude of factors, thereby helping to prevent medical errors.

In the future we plan to launch projects aimed at allowing us to share our experiences at Terumo Medical Pranex with other educational research facilities, in the belief that cooperation between medical institutions and corporations seeking to accumulate expertise can only result in the improvement of healthcare for everyone.



Training