

Achievements in Medical Equipment Originated from Shinshu University 2019

⚠ Some of these products are not sold outside of Japan.

Collaborating Companies	Products and Sales Points	
<p>Todoriki Co., Ltd Manufacture of gaskets for general industrial use</p>		<p>Carrying Case for Drip Infusion "IVnote"</p> <p>The carrying case includes all of tools necessary for drip infusion. You can easily carry this case and immediately see and confirm the tools you need for the treatment.</p>
<p>Chiyoda Electric Co., Ltd Medical Science Instruments, Electric Control, Instruments applying Ultrasonic and Pressure</p> <p>http://www.chiyoda-electric.co.jp/</p>		<p>Automatic otorhinolaryngology (nose, ears and throat) endoscope sterilizer SED-1</p> <p>The equipment can sterilize the insertion section and the control section of an endoscope for otorhinolaryngological observation, working efficiently in short time (13 minutes in all processes). It is also designed to work silently in a small space, which is usable for a medical examination in a private room.</p>
<p>KISSEI COMTEC Co., Ltd System integration service, System resource service, Medical system service, Information related devices</p> <p>http://www.kicnet.co.jp/</p>		<p>Health TrinityNet 3.0</p> <p>Our system manages "Interval Walking" data in the cloud system. You can refer training data measured by activity monitors, results of physical strength measurements, graphs and advices. We are expanding the functions of our system to cooperate with smartphone applications and to communicate in English.</p>
<p>Thermo Fisher Scientific Inc. Import and sale of research instruments and reagents</p> <p>https://www.thermofisher.com/</p>		<p>Ion AmpliSeq Hearing Loss Research Panel v1</p> <p>We have developed the hypacusia (deafness) gene screening panel using "Next Generation Sequencer (NGS)". The method using the NGS can analyze the gene responsible for deafness more effectively than conventional methods and the diagnostic rate will increase by 10% or more.</p>
<p>Sywind Co., Ltd Development, Manufacture and sales of adjustable arms for medical assistant use and versatile arms</p> <p>http://www.sywind.com/</p>		<p>"Free Stop" (adjustable) Versatile Arm for Medical Assistant Use</p> <p>The versatile arm can be customized according to users' applications, e.g., to the arm for a camera photographing small surgical operations and medical treatments and to the arm for a monitor displaying the photographed images. You can move the arm lightly and easily with only one hand and fix the arm at your desiring position.</p>
<p>TAKANO Co., Ltd Manufacture and sale of health and medical instruments, welfare instruments, office chair electronics instruments</p> <p>https://www.takano-hw.com/</p>		<p>Surgical Body Support</p> <p>The "Surgical Body Support" holds a surgeon's posture and reduces his/her stress in standing operations. The instrument, using a support for the waist and a platform propping the arm and the hand, improves the stability of the surgeon's trunk and upper limb and reduces fatigue of the lower limb.</p>
<p>TAKANO Co., Ltd Manufacture and sale of health and medical instruments, welfare instruments, office chair electronics instruments</p> <p>https://www.takano-hw.com/</p>		<p>Surgical Support Chair</p> <p>This chair, which is usable for operations, leads a surgeon to the posture which can avoid fatigues and reduces his/her stress. The seat surface of short depth and the compact backrest raises the surgeon's pelvis to lead him/her toward the posture which does not consume vain muscle strength.</p>

Collaborating Companies

Products and Sales Points

Tanigawa Co.,Ltd

Manufacture of optical encoder, magnetic encoder
Research, development, manufacture and sales of the testing equipment

<http://kk-tanigawa.co.jp/>



Instruments for Measurement and Training of Ankle Joint Function

The instrument measures or trains reactivity of the ankle joint in the eversion direction which is necessary for preventing the inversion sprain in sports activities.

Yoshioka Co.,Ltd

Manufacture of punch press and bending machine, manufacture and sale of "Octa-fix" implant

<http://www.kk-yoshioka.co.jp/>



Octafix Oral Implant System

The product focuses on not only vertical occlusal pressure but also diagonally yielding occlusal pressure in lateral movement. The product employs pure titanium G4 of high mechanical strength to accelerate rapid growth of osteoblastic cells which are excellent in osteoinductivity and hydrophilicity.

Daiwabo Neu Co., Ltd

Manufacture, processing and sale of various kinds of textile materials, Manufacture and sale of quasi drugs, medical equipment and health appliances

http://www.daiwabo.co.jp/neu/en_index.html



AllerCatcher Sheet

We have developed the high functional textile material which has functions required in medical sites, such as the deodorant function, the antibacterial function, the antiallergenic function and the antivirus function. The textile is applied to a mask and to sheets which are used in a odor space or used on a contracture skin, on a diaper rash and on a bed sore.

Shinshu Ceramics Co.,Ltd

Development, manufacture and sale of ceramic composite materials

<http://www.shincera.co.jp/>



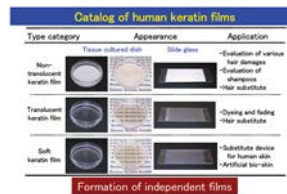
"Kin-killer"

This is the sheet specially coated by "earthplus" which is the antibacterial and antivirus technology developed by our company. Covering surfaces on which many and unspecified people touch, the "Kin (bacteria)-killer" secures antibacterial of 99% or more and reduces the risk of nosocomial infection.

Shishu TLO Co., Ltd

Transfer of technology, Support of research and development

<http://www.shinshu-tlo.co.jp/>



Keratin Film Derived from Human Hair

Keratin films are self-assembled materials prepared from human hair proteins. These films have been used to evaluate various hair damages and to develop hair and skin care products. Thus, we propose wide applications of the films as "an alternative hair and skin".

Hokushin Hanpu Co.,Ltd

Tent, Sheet, Tent-type warehouse, Functional tent, Thermal insulated movable partition

<http://www.hanpu.jp/>



Tent for First-aid Lifesaving Medical Treatment

This tent, being used for disaster prevention, has the double curtain structure excellent for airtightness and moisture retention. Set-up is very easy. It can be carried by human power being divided to small pieces. It can be used for a temporary clinic and for a food storage.

NAKATOMI CO.,LTD

Manufacture and sale such as an air-conditioning instrument, the air tool

<https://www.nakatomi-sangyo.com>



First-aid Kit for Heatstroke Treatment

At the time of heat stroke, it is a set to treat appropriately before hospital conveyance. The shoulder bag which it is easy to carry is adopted and can treat it without being upset by a plain manual.

WASHIESU MEDICAL Co.,Ltd

Sale of the medical equipment and the original brand plan product

<http://www.washiesu.com>



The independence movement type stand for an Operative Field Shooting "The mobile arm stand"

The moving type stands which assist for the fixation of the camera for the surgery video record. The stop arm that physical strength is unnecessary is adopted and a stable surgery video scan is possible. Also, the system induction on the low budget is enabled without setting construction.

Collaborating Companies

Products and Sales Points

Neitz Instruments Co., Ltd.

Ophthalmic instruments, Surgical loupes, Contact lens inspection equipment, Low vision aids

<http://www.neitz.co.jp/>



Surgical Loupe with the "Free Stop" (adjustable) Arm

This product is a new concept medical device developed in collaboration with an experienced plastic surgeon. By installing this newly developed loupe on the Free Stop Arm, a "large aperture", "wide field of view" and "Less stress" loupe was realized. This surgical loupe is intermediate magnification between the conventional loupe and the microscope.

Nishizawa Electric Meters Manufacturing Co., Ltd.

Biological measuring equipment, Medical equipment, welfare equipment, Electrical measuring equipment

<http://www.nisic.co.jp/>



Ventilation capsule type sweat meter with flow compensation method

The ventilation capsule type sweat meter supplies air to the capsule covering the skin to ventilate the sweat, and the amount of sweat can be measured from the degree of increase in the humidity of the air. This makes it possible to quantify the temporal changes in sweating onset with high accuracy.

This sweat meter employs a newly developed "flow compensation method" that controls the air flow rate according to the amount of sweat, making it possible to measure a large amount of sweat. The feature of this device is that it enables easy and quantitative visualization of the mental sweating reaction, and enables functional evaluation of the amygdala, hippocampus, and locus coeruleus. It can be used in dermatology, neurology, psychiatry, anesthesiology, etc.

Nissha Co., Ltd.

Medical Devices, Sensors, Wireless sensor network, Printing solutions

<https://www.nissha.com/>



CPR voice guide with buzzer for life saving and crime prevention "Rescue Guide"

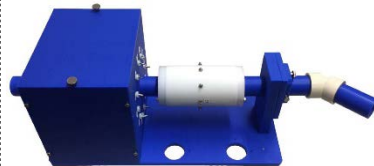
When a person collapses from cardiac arrest, it's very important to administer cardiopulmonary resuscitation (CPR) immediately to raise the chances of survival. Rescue Guide was developed with the hope of eliminating emergencies that lead to death because bystanders could not perform life-saving CPR.

With the simple press of a button, Rescue Guide emits a blinking light to signal the timing of chest compressions, and a built-in voice guide talks rescuers through the appropriate procedure, helping to keep the person alive until the arrival of an ambulance or automated external defibrillator (AED).

Nomura Medical Device Corp.

Medical equipment, Contract development

<http://nmed.co.jp/>



Endoscopic training device "LFM trainer"

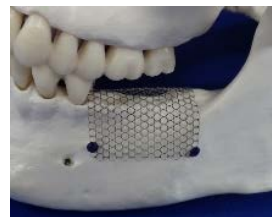
This training device allows you to practice the actual gastrointestinal endoscopy repeatedly using the Loop Forming Method (LFM), feeling like playing game. Three training locations (reversal biopsy, esophageal EIS, esophageal ESD) are available depending on each doctor's need.

By practicing with this LFM trainer before performing treatment in the clinical setting, it is expected that the quality of the actual treatment will be improved.

Bear Medic Corporation

Microvascular clip, Microsurgery sutures

<http://www.bearmedic.co.jp>



Titanium mesh plate "ORIGAMI MESH"

Conventional titanium mesh plates often have a mesh or lattice structure, making it difficult to process three-dimensionally.

In order to reduce tissue damage, this mesh plate is a newly developed design that is easy to fold and hard to create sharp edges.

Contact Information

Shinshu Medical Industry Association

<http://www.shinshu-u.ac.jp/group/smia/>

E-mail: smia@shinshu-u.ac.jp

Shinshu University

Innovative Research & Liaison Organization

<http://www.shinshu-u.ac.jp/english/>

