



MENA Health World

عالم الصحة للشرق الأوسط وشمال أفريقيا

www.mhwmag.net

March - April 2010 / Vol. XXV - Issue 2
آذار (مارس) - نيسان (أبريل) ٢٠١٠ - مجلد رقم ٢

Serving the Hospital, Medical, Laboratory, Pharmaceuticals, & Nutrition Sectors in the Middle East & North Africa - Since 1986
تخدم قطاعات المستشفيات، الطب، المختبرات، الأدوية، والتغذية في الشرق الأوسط وشمال أفريقيا - منذ ١٩٨٦

Digital Plaster for **MONITORING** **VITAL SIGNS**

(P.26)

**Stem Cells Found in the Skin
Show Promise for Treatment
of Several Medical Conditions**
(P.8)

**Ultrasound Can Predict
Tumor Burden and Survival in
Melanoma Patients**
(P.34)

**Special Feature:
Otorhinolaryngology
(P. 17)**



Published by CPH World Media
تصدر عن سي بي أتش وورد ميديا

Helping Advance MENA & Beyond! - Since 1977
نساعد بتطوير الشرق الأوسط وشمال أفريقيا وأبعد! - منذ ١٩٧٧

www.cphworldmedia.com



High Resolution Ultrasound for Skin Imaging from Cortex Technology

Unlike conventional ultrasound scanners, high resolution scanners aim for extreme resolution in the outermost layer and largest organ of the body - the skin. Such devices take off where other scanners stop, and they are typically optimized for transducers operating at 20 – 50 MHz.

The latest development in high frequency, high resolution scanners is the DermaScan® C Ver. 3 COMPACT USB manufactured by **Cortex Technology** in Denmark - a fully portable scanner featuring probes from 10 to 50 MHz and laptop controlled via USB. It delivers outstanding high definition imaging and a resolution of 25 x 60 micrometer (@ 50 MHz), and in addition it offers a full-featured image analysis software package for the analysis of various skin diseases and conditions.

An all-new line of 2D probes offers smaller dimensions and lower weight for ease of operation, which also provides a previously unseen sensitivity due to a new range of broadband high sensitivity transducers.

The DermaScan® C Ver. 3 COMPACT USB is targeting not only university and private dermatology clinics as a research and clinical tool but also the cosmetic and pharmaceutical industry, where this technology has already gained widespread acceptance.

Cortex Technology introduced this new series of ultrasound



scanners for skin at the American Academy Of Dermatology which was held in Miami Florida March 5 - 9, 2010.

Cortex Technology was established in 1986 and from the very beginning the focus has been on equipment especially developed for the dermatological marketplace to fulfill the need for dedicated instrumentation within Dermatology, cosmetics and pharmaceutical research worldwide.

Cortex Technology is based in modern facilities in Hadsund, Denmark, in an area surrounded by highly skilled sub-contractors facilitating the production of specialized and customized parts in close cooperation with suppliers. The central sales and marketing department controls a German sales office and distributor activities in 25 countries. ■

REFER TO RIN 44 ON PAGE 74



MEDICAL LIGHTING SYSTEM



a Division of ACEM S.p.A
Bologna - ITALY
Phone +39 051 721844
Fax +39 051 721855

www.acem.it - info@acem.it

REFER TO RIN 45 ON PAGE 74

The Perfect LED Lamp for the OR: STARLED 5

ACEM Medical Company, an Italian company specialized in the production of surgical lamps, presents the new LED lamp for the operating room: STARLED 5.

The newborn at ACEM is part of the Starled Series and as the whole series, it is made with LED technology (light emitting diodes), an extraordinary light source which is becoming more popular for its reduced dimensions, duration in time, low energy consumption, high performance, lack of heat and excellent color rendering index. Moreover, this is proposed as the "light of the future" for its characteristics of flexibility of use and sustainability in a series of different sectors, especially in the medical one.

The innovative LED technology used in the STARLED 5 guarantees a light beam without IR infrared rays hence eliminating heat under the lamp and on the surgeons' heads. The 50 LEDs which make the STARLED 5 are circularly positioned around the handle, generating a light spot of 21 cm at 1 meter with a high illumination level of 135.000 lux for a steady life cycle of 50.000 hours. STARLED 5 guarantees a color rendering index of 95 with a color temperature of 4.900 °K. These two values allow reproducing the exact chromatic scale of the colors of the human body.

In order to achieve a correct illumination on the surgical field and based on the needs of the surgeons, STARLED 5 can produce a focused illumination as well as a uniformed ambi-



ent one thanks to a manual focusing system made by the central handle of the lamp. The easy to grip handle can be extracted and autoclaved, and if requested, it can contain a fixed focus video camera or one with zoom for a precise and constant recording of the intervention.

STARLED 5 unites high technology with a practical and functional design; it is in fact comfortable and light to move, thanks to the handle in the centre of the lamp. STARLED 5 is also practical for the medical team who can move it from the lateral handles assuring stability and constant illumination. Its design takes into consideration sanitary requirements of the OR. For this reason it has been manufactured with a smooth and resistant material that makes cleaning quick, easy and complete. ■

REFER TO RIN 66 ON PAGE 74

Centro Protesi INAIL: A Specialist in Orthopedic Technology and Rehabilitation

The **Centro Protesi INAIL** in Vigorso di Budrio is a UNI EN ISO 9001 certified company and has a unique structure composed of a production-oriented orthopedic laboratory and a rehabilitative area with 90 beds for inpatient and outpatient services.

The Center treats 11,000 patients per year and provides 23,000 health services. The Prosthesis Center performs a specific research and experimentation activity aimed at building and testing advanced technological devices and studying new methods for their application. Among the fundamental rehabilitative therapies provided by the Center, the pre-prosthetic treatment prepares the patient to receive the prosthesis in the best physical condition and it trains patient to make the best use of the prosthesis.

The Centro Protesi INAIL's multidisciplinary staff is composed of a physician, an orthopedic technician, a hospital attendant, a rehabilitation therapist, a psychologist and a social worker who carry out a personalized prosthetic-rehabilitative plan according to the patient's age and disability.

The phases of the personalized plan are:

- Initial appointment comprised of a technical and medical ex-



amination leading to the elaboration of a suitable prosthetic-rehabilitative plan.

- Construction of personalized prosthesis and simultaneous prosthetic training.
- Periodical checks and final evaluation.

The Center treats particularly serious handicaps, both congenital or traumatic pathologies, patients with more than one amputation, myelopathies, amputations caused by vascular diseases and children suffering disabilities from early childhood. In order to facilitate their reintegration, the prosthetic-rehabilitative treatment is supplemented with a set of specific services, such as the Psychosocial Service, the Consultancy Service for orthopedic aids, the Polyspecialistic Foot Service, and the Mobility Center. ■

REFER TO RIN 67 ON PAGE 74