



Special Feature: Ophthalmology (P.13)

MENA Health World

عالم الصحة للشرق الأوسط وشمال أفريقيا

www.mhwmag.net

January - February 2009 / Vol. XXIV - Issue 1
كانون الثاني - شباط (يناير/فبراير) ٢٠٠٩، مجلد ٢٤ - عدد رقم ١

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

DERMATITIS MANAGEMENT

PROPER DIAGNOSIS, TREATMENT: A COMPLEX PROCESS

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Targeted Radiation Therapy Can Control Limited Cancer Spread

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11 Steps for Preventing MRSA Infections in MRI

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MHW announces its
2008 Excellence Awards

Medical Led Illumination System for the Operating Room



Italian company **ACEM S.p.A.** (Medical Division Company), leader in the production of operating and surgical lamps, attended the 2008 edition of MEDICA in Dusseldorf where it presented the new medical illumination system for the operating room comprising OT – STARLED, the new and revolutionary lamp which offers perfect lightning for every situation, and STARLED 3 EVO. Both are made with LED technology, which guarantees the best working conditions for the surgeon as well as for the medical team in the operating room producing clear brightness, without infrared rays and with a steady color rendering over time.

OT – STARLED has unique and completely innovative characteristics which grant:

- High performance illumination for every type of surgery;
- Clear and sharp brightness at 160.000 lux (self-limited);
- Exceptional duration ensuring easier management and safe investments for the future
- IR-free light without heat in the surgical area, on the operator's head and around the operating area
- Steady color rendering over time
- ACRIS®, an intelligent system patented by ACEM
- Shadow reduction in the operating area and total illumination of the surface and at depth – Brightness Adaptor which thanks to some obstructions detector sensors, spots surgeon's head,

shoulders or hands constantly to distribute the LED light quantity in a more regular way producing a homogeneous light on the operating area

- A revolutionary control system patented by ACEM, I – SENSE®, an accurate, functional and easy-readable system provided with an operating parameters storage that simplifies the switching among the different operational modes (standard, automatic, ambient)
- Ergonomics for an extraordinary familiarity in use and quick and easy positioning for the medical team
- A range for the integration of multimedia solutions
- LIGHT – UP®, another innovative system patented by ACEM, which thanks to light beams ensures adjustable illumination levels according to different applications.

The high quantity of LEDs circularly positioned and shared out into 7 groups (with 3 LEDs each) around the handle and other 7 groups (with 7 LEDs each) circularly positioned in the handle, represent a great news for OT – STARLED to generate a light spot from 21 cm to 1 m with 70 LEDs with a high illumination level of 160.000 lux (self-limited) and a steady life cycle of 50.000 hours.

In the Medical Illumination system for the operating room proposed by ACEM, along with OT – STARLED comes STARLED 3 EVO also made with LED technology, which guarantees an unparalleled luminous quality providing a color temperature of 5.000° K. ■

Tecan Develops New, Long-Life OEM Syringe Pump



Tecan has launched the Cavro® Centris Pump, a compact, high precision OEM syringe pump for laboratory instruments, setting new standards for reliability, accuracy and precision. The new pump offers a broader working volume range from a single syringe size compared to other similar pumps, enabling users to do more with one pump than ever before.

The Cavro Centris Pump's elegant, rigid mechanical design with fewer moving parts ensures reliability, while the fluidics components use precision-paired ceramic parts, resulting in almost no resistance or wear. The pump's high efficiency stepper motor and mechanical drive allow excellent liquid handling performance at small volumes, yet still have the necessary speed and power to achieve high volume performance. The compact dimensions of the Cavro Centris Pump give it the smallest footprint of any OEM syringe pump. The new pump features increased on-board diagnostics, so the user can query the pump for its critical performance parameters.

For over 35 years, Tecan Cavro brand components have provided innovative and reliable liquid handling for instrument designers in almost any application. Tecan Cavro OEM components are designed and manufactured to high quality standards, meeting ISO 13485 requirements and Europe's 2006 RoHS directive. ■

أطلقت Tecan مؤخراً مضخة الحقن عالية الدقة Cavro® Centris المخصصة للأدوات المخبرية. تؤمن هذه المضخة الجديدة نطاقاً أوسع من أحجام العمل إنطلاقاً من مقياس واحد للمحقنة مقارنة مع المضخات الشبيهة الأخرى.

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شاركت شركة ACEM الإيطالية مؤخراً في معرض Medica حيث قامت بعرض نظام جديد الإنارة في غرف العمليات يتضمن لمبة OT-STARLED الثورية الجديدة التي تؤمن إضاءة مثالية لجميع الظروف ولمبة STARLED 3 EVO. ترتكز هاتان اللمبتان على تكنولوجيا الديودات المبتعة للضوء مما يؤمن أفضل ظروف العمل للجراحين والفريق الطبي.

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