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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

HOSPITAL LABORATORY MANAGEMENT

HAVE YOU CONSIDERED
OUTSOURCING THE HOSPITAL LAB?

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Handheld Laser Microscope
To Help Diagnose Skin Cancer without a Biopsy

(P.24)

Fine-Tuning Attack on Cancer
Computer Simulations of Laser-Nanoparticle Treatments

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Qatar's Al Amal Hospital Acquires Advanced Radiotherapy Capability from Varian Medical Systems

One of the leading cancer centers in the Middle East has acquired two advanced radiotherapy devices from **Varian Medical Systems** with RapidArc™ technology for fast and precise treatments. **Al Amal Hospital** in Doha, Qatar, is replacing four-year-old linear accelerators from another manufacturer with Trilogy® and Clinac® iX devices, in order to provide patients with more modern and efficient treatments.

The new equipment, ordered in February and scheduled to be installed in May, will enable clinicians in Qatar's only radiation therapy center to begin treatments using RapidArc, Varian's latest technology for delivering image-guided intensity-modulated radiotherapy (IMRT) with greater precision and up to eight times faster than is possible with conventional IMRT.



Dr. Noora Mohammed Al-Hammadi, head of the department of radiation oncology, said, "Evidence suggests that RapidArc will revolutionize the way IMRT is delivered and potentially improve patient outcomes. Faster treatments that more closely conform radiation doses to the size, shape and location of the tumor are always desirable in radiotherapy, for both machine throughput as well as patient outcomes."

We are very excited about the potential of RapidArc."

RapidArc delivers a precise and efficient treatment in single or multiple arcs of the medical linear accelerator around the patient. Varian's Clinac and Trilogy accelerators can target beams at a tumor while continuously rotating around the patient. Conventional IMRT treatments are slower for radiotherapists because they use many fixed angle beams rather than a continuous rotational beam.

Part of the **Hamad Medical Corporation**, the government provider of health in the State of Qatar, Al Amal Hospital treats patients from across the Gulf region. Its patients represent a complex mix of all types of tumors, including pediatric cases and a large proportion of breast cancer patients. The department aims to become a recognized Centre of Excellence in image-guided radiotherapy (IGRT) for the region within five years. ■

قام مستشفى الأمل القطري مؤخراً بشراء جهازين متطورين من أجهزة المعالجة بالإشعاع القائمة على تكنولوجيا RapidArc™ من شركة Varian Medical Systems للعلاجات السريعة والدقيقة. يستبدل المستشفى بهذه الخطوة المعجلات الطولية التي تجاوزت الأربع سنوات من العمر بأجهزة Trilogy® و Clinac® iX بهدف تقديم العلاجات الحديثة والفعالة للمرضى. سيتم تركيب هذه المعدات الجديدة في شهر أيار (مايو).

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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, has launched its 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 dis-

tribute 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 unparallelled luminous quality providing a color temperature of 5.000° K. ■

أطلقت شركة ACEM الإيطالية نظام جديد لغرف العمليات يتضمن لمبة OT-STARLED الثورية الجديدة التي تؤمن إضاءة مثالية لجميع الظروف ولمبة STARLED 3 EVO. تركز هاتان اللمبتان على تكنولوجيا الديودات المبعثة للضوء مما يؤمن أفضل ظروف العمل للجراحين والفريق الطبي.

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Eurocamina Offers Specialty Recording Paper



Eurocamina Srl is an Italian company with almost 50 years of experience in the medical field. The company started in 1961 by producing Black Rapid® registration papers in rolls. Today, it produces high quality thermal registration papers for ECG, EEG and CTG, also in z-fold packs, high quality compatible Plastiprint® videoprinter paper for ultrasound devices, a whole gel range for ultrasound and electroconductive applications, and reusable and disposable Classic Trode® electrodes. The company also produces its own range of ECG and EEG devices, with its Cardiorapid®, Cardioswift® and Neurorapid® brands.

In the last years, the company developed a new patented security Locked Paper® which is having great success in all branches, since it can be used any place there's need to protect documents.

All Eurocamina products are characterized by high quality at competitive prices.

The company is also ready to produce its items on OEM basis. The fact that it produces this whole product range means that it is very competitive, since also foreign customers of far countries have the opportunity to place big orders, choosing different items, which can be delivered in containers, thus minimizing the transport charges, and also splitting the cost on many different items of different values. ■

تمتلك الشركة الإيطالية Eurocamina ٥٠ سنة من الخبرة في مجال الطب. بدأت الشركة عملها في عام ١٦٩١ من خلال إنتاجها ورق التسجيل Black Rapid®. أما اليوم، فهي تنتج أوراق تسجيل حرارية وأوراق خاصة بالأجهزة فوق الصوتية ومجموعة كاملة من مادة الجل للأجهزة فوق الصوتية والتوصيلية الكهربائية.

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