

Motorised Stage and Ergo Controller for Eclipse 90i

Researchers can now view, manipulate and digitally capture their samples from a remote location with the Motorised Stage and Ergo Controller accessories for the Nikon Eclipse 90i. When combined with Nikon's Digital Imaging Heads and Digital Sight Camera systems, the user can adjust the focus, move the stage, switch observation techniques and capture images, as if they were seated in front of the microscope. This could be extremely beneficial if it is necessary to simultaneously perform other tasks at the PC, particularly if the microscope is

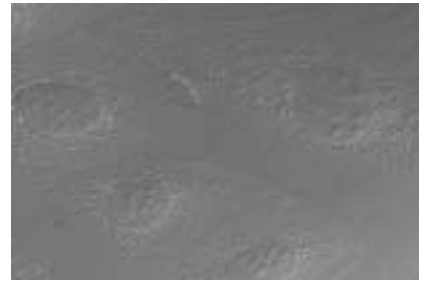


to be sited in an isolated area. Preference settings can also be recorded for each individual user. For simplicity and efficiency of operation, buttons on the front panel of the Ergo Controller can be assigned to the control functions that are most frequently used. *For more information Email discover@nikon.co.uk*

New Standards in DIC Imaging

Nikon Instruments Europe is completely redesigning its DIC system for the Eclipse TE2000, 90i and 80i research microscopes. With enhanced resolution researchers can visualise minute structures with superb clarity and contrast. Three types of DIC are now available providing researchers a choice of standard, high contrast or high resolution DIC, allowing them to tailor imaging capabilities depending on their application.

The DIC prism is the key to creating the 3-D effect in DIC imaging. By making changes to the material composition of the prism, Nikon have been able to generate uniformly crisp images that demonstrate high contrast and high resolution –



even at low magnifications. The 3-D effect of DIC imaging can also be adjusted and optimised on Eclipse 90i and 80i upright models equipped with a rotatable stage by altering the shear direction of the DIC image. The result is sharper imaging revealing more structural information about the specimen under observation. *For more information Email discover@nikon.co.uk*

New Era of Flexibility and Performance to Digital Fluorescence Microscopy

The Carl Zeiss Axio Imager is an innovative modular system for digital fluorescence microscopy, featuring advanced flexibility and application versatility. New IC2S objectives (Infinity Contrast & Colour Corrected System) optimise image quality and maximise contrast in all techniques while special fluorescence filters reduce exposure and image acquisition time by up to 50% for superior 3D imaging.

The 'Intelligent Stand' is the basis for each of the four models, ranging from manual entry-level to fully automated high-end systems. It incorporates an award-winning complex of software elements that automatically recognise components as they are added, such as filter

wheels and objectives. In addition, the embedded "contrast manager" ensures simple changes between contrasting techniques. Standard interfaces permit communication via USB and TCP/IP, making integration into a network or complete remote control quick and simple. For the first time, defined interfaces in the reflected and transmitted-light beam paths allow coupling of additional optical components.

The vibration-free Imaging Cell is isolated within the stand for stable observation and



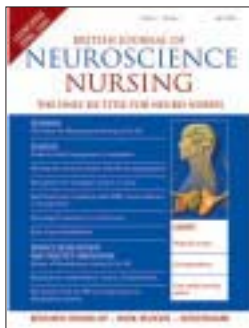
unparalleled precision. An apochromatic fluorescence beam path ensures optimum colour correction over the entire wavelength range. Axio Imager also introduces special fluorescence filters with a significantly improved signal-to-noise ratio, which permit excitation intensity up to 70% higher than normal to reduce exposure times by up to 50%.

For further information, contact Carl Zeiss Ltd., PO Box 78, Woodfield Road, Welwyn Garden City, Hertfordshire, AL7 1LU.

British Journal of Neuroscience Nursing

This new journal, launching in April 2005, brings together clinical updates, research reports and policy developments in the rapidly evolving field of neuroscience nursing. It is an invaluable tool for nurses who want to keep up to date and improve their practice. Other members of the health care team will also find it of great benefit.

The journal addresses all aspects of neuroscience nursing in an intelligent, helpful and accessible way. Prevention, primary care, acute and critical



care, rehabilitation and palliative care are all covered.

For information on how to subscribe to the only UK journal dedicated to neuroscience nursing please call the Freephone 0800 137 201.

To register an interest in contributing to the journal please contact the editor-in-chief, Sue Woodward, programme leader for critical care and post-registration education at Kings College London (sue.woodward@kcl.ac.uk) or the editor, Ruth Laughton (ruth@markallengroup.com).

Handheld Pulse Oximeter from Tyco Healthcare

The Critical Care Division of Tyco Healthcare has launched the OxiMAX NPB40, an enhanced version of the existing handheld Nellcor NPB-40 oximeter.

The OxiMAX NPB40 handheld pulse oximeter encompasses fifth generation OxiMax technology and is intended for non-invasive spot check measurement of functional arterial oxygen saturation (SpO2) and the pulse rates of adults, paediatric and neonatal patients. It can be used for attended monitoring in hospital, emergency, transport and mobile environments, as well as at home. It is compatible with all OxiMax sensors, and its event data



is readable on other OxiMax monitors with the ability to display event data.

Compared to the earlier NPB-40 oximeter, the OxiMAX NPB40 features a 7-button configuration membrane panel, a real-time clock and a bi-directional IrDA capability. It is launched with an LCD display for SpO2 and BPM (beats per minute) readings, together with tactile feedback membrane buttons and a number of LCD indicators. These include alarm silence, pulse search, low battery, motion and print indicators.

For information please telephone the Tyco Healthcare customer care team on 01329 224306.

Residential Units for People with Acquired Brain Injury



Specialist care provider Voyage is to open the third of their residential units for people with acquired brain injury in May 2005. The purpose-built, eight place home in Dudley in the West Midlands offers a spacious, homely environment, and features ensuite rooms with kitchenette facilities.

The home is equipped to be able to support individuals with significant physical disabilities, including a specialist bathroom and the use of ceiling tracking, but will also admit people who only have cognitive needs. The emphasis of the care and support that will be provided will be on enabling people to increase their independence and pursue an individual programme of activities in the community, and there will be a high level of staffing to facilitate this.

Voyage's other units are in Gloucester and Burnley. The contact to discuss referrals is Steve Ball, Associate Development Director, on Tel. 01543 442540.

Tyco Healthcare ECG Electrodes serve all applications

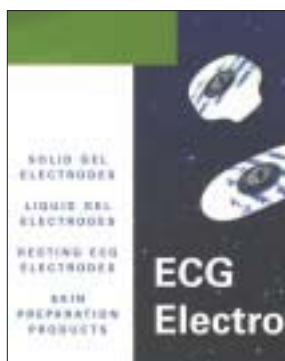
The Critical Care Division of Tyco Healthcare manufacturers a range of solid hydrogel, stress testing, multipurpose and long-term monitoring electrodes, plus the liquid gel electrodes for up to 24-hour, short term monitoring.

The complete range of Tyco Healthcare ECG electrodes incorporate:

- A range of round, oval and square electrodes for easy application to a variety of anatomical sites.
- A broad scope of backing materials to suit all patient skin types, including foam, cloth, micropore, and vinyl.
- Patented gel formulas which exceed AAMI electrical standards.
- Non-sensitising and non-irritating adhesives, designed to be 'kind' to patients skin and minimise allergic reactions.
- Individual packaging and a two-year shelf life.

A comprehensive brochure on all the Tyco Healthcare ECG electrodes is available. It also features an indication chart, full list of monitoring accessories and a look at the latest TAB/SNAP Universal Connector.

Complementary skin preparation products are also listed. For more information please telephone 01329 224187.



Greater Dose Flexibility for Treatment of Schizophrenia

Bristol-Myers Squibb Pharmaceuticals Ltd and Otsuka Pharmaceuticals (UK) Ltd launched a 5mg dose of Abilify (aripiprazole) for the treatment of schizophrenia.

Dr Helen Millar, consultant psychiatrist at the Carseview Centre, Dundee said, "The availability of a 5mg dose of Abilify allows more flexibility in prescribing for the clinician and therefore treatment can be tailored to meet the needs of sensitive populations such as the elderly."

Abilify works in a new way to currently available antipsychotics. It is thought that an imbalance in dopamine may account for the symptoms of schizophrenia. Abilify is a dopamine system stabiliser. This means that it preserves or enhances dopaminergic neurotransmission where it is too low and reduces dopaminergic transmission where it is too high. This results in sustained efficacy against the positive



(delusions, hallucinations and hostility), negative (lack of motivation and social interaction) and cognitive (memory loss and poor attention) symptoms of schizophrenia. Clinical trials have demonstrated the short- and long-term efficacy of Abilify in acute psychosis.

Clinicians now have the choice of further dose flexibility, with the availability of a 5mg once-a-day tablet.

For more information contact BMS on Tel. 020 8754 3519.

A Sourcebook of Psychological and Biological Research

Dyslexia, Reading And The Brain: Despite the wealth of literature available on the subject of dyslexia, there is little that explores the subject beyond a single theoretical framework. The need for a comprehensive review of the literature by both researchers and practitioners from different fields and theoretical

backgrounds is the central motivation behind *Dyslexia, Reading and the Brain*. By combining the existing fragmented and one-sided accounts, Alan Beaton has created a



sourcebook that provides the much-needed basis for a more integrated and holistic approach to dyslexia.

The comprehensive coverage and impartial approach mean that this sourcebook will prove an invaluable resource for anyone involved in study, research or practice in the fields of reading and dyslexia.

To order please contact Thomson Publishing Services, Tel. 01264 343 071, Email book.orders@tandf.co.uk

Carl Zeiss purchases P.A.L.M. Microlaser Technologies

Carl Zeiss has announced the acquisition of German-based P.A.L.M. Microlaser Technologies (PALM). The move brings together PALM's proprietary Laser Microdissection and Pressure Catapulting (LMPC) technology and Carl Zeiss' award-winning laser scanning microscopes.

"Carl Zeiss laser scanning microscopes are setting new standards in research imaging instrumentation," says Dr Ulrich Simon, head of the microscopy business group at Carl Zeiss and Chairman of the PALM supervisory board. "Our microscope stands are not just the keystone of our own integrated imaging solutions but the preferred choice for many partners, including PALM. The uniting of Carl Zeiss and PALM will open the way to new, highly integrated biomedical application solutions."

"Adding the superior global infrastructure of Carl Zeiss to the technological



leadership of the PALM products will double our size over the next three years, even within a strongly competitive market," says Reinhard Müller-Späth, CEO of PALM. "This union is the logical consequence of a very successful partnership."

For further information, contact Carl Zeiss Ltd, PO Box 78, Woodfield Road, Welwyn Garden City, Hertfordshire, AL7 1LU.