



NEWSLETTER

EuroSIVA in Berlin

Learn all about the current aspects of intravenous pharmacology in an entertaining review of the recent literature, the tips and tricks to make TIVA safe and efficient. Also receive a comprehensive overview of future developments of Smart TCI pumps for anaesthesia and sedation. *Saturday, 30th May 2015, City Cube, Berlin.*

Neuroscience event

The brain, the pain and the balance. This is the title of a EuroSIVA sponsored symposium on current knowledge of anti-nociception and hypnosis during anaesthesia and how to quantify this balance. The expert panel includes Emery Brown (Boston), Luc Barvais (Brussels) and Francisco Lobo (Porto). *Monday, 1st June 2015, Euroanaesthesia Berlin.*

Tivatrain® news

TivatrainX is an educational programme developed for iOS devices to explain pharmacological principles and show the pharmacokinetic properties of intravenous anaesthetic and other drugs. *Download the app via Apple iTunes.*

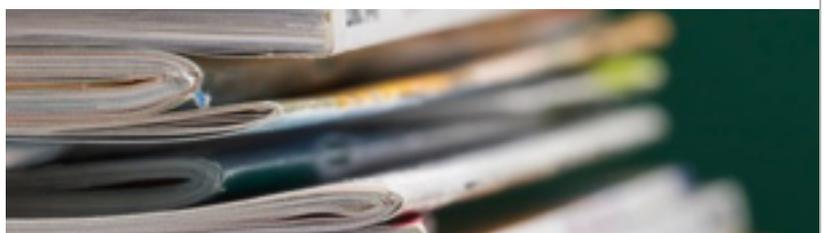


The end of the vaporiser?

Is it time to dial down the vaporisers, as Marcel Durieux suggests in his recent editorial in the *British Journal of Anaesthesia*? He discusses the potential negative effects of some anaesthetic agents such as volatiles on malignant disease and the recurrence of cancer. *BJA 114: 715-6 (2015).*

Cancer growth

Two experimental studies have addressed this recently and published their results in *BJA*. Shi and colleagues have shown that sevoflurane promoted glioma stem cell proliferation and may enhance tumor growth. Luo and co-workers studied isoflurane effects on ovarian cancer cells and demonstrated an increase in cell proliferation with metastatic potential.





EuroSIVA Summer School revisited

Last June the second edition of the EuroSIVA Summer School was held in Porto aiming primarily at trainees and young anaesthetists. The aim of this three day postgraduate course that is run by the experienced team of Francisco Lobo and Pedro Amorim from Hospital Geral de Santo Antonio is to provide

- Structured teaching in anaesthetic pharmacology
- Individualised case-based scenarios enhanced by multi-media
- Interactive sessions via smartphone feedback and discussion
- Written MCQ exam and certificate of knowledge



The delegates had a valuable few days in Porto. We will repeat this popular educational event in 2016. Check at www.eurosiva.eu

Neurocognitive dysfunction

Other scientists have been researching the potential contributing factors of anaesthetic agents and techniques to neurodegenerative disease. Whereas there appears to be at least an association of volatile agents and development of neurofibrillary tangles seen in Alzheimer's disease, intravenous agents, like propofol seem to suppress this growth as Dr. Yamamoto's group found out (Anesthesiology 2013; 118:1408-16.). This possible link of anaesthesia and neurodegenerative disease was recently reviewed by F. Lobo and A. Saraiva in Rev Esp Anesthesiol Reanim, 2014.

Cardioprotection

Over the last few years substantive publications have emerged that question the perceived cardioprotective effect of volatile agents which mainly was founded from an experimental evidence base. Landoni and his group (BJA 2014;113:955-63) could not show any difference in mortality between TIVA and volatiles in a multi-centre trial in 200 high risk cardiac patients. Similar results were found by Lurati and co-workers (Circulation 2012;126:2696-2704) in 400 non-cardiac patients and by Lindholm (Anesthesiology 2013;119:802-12) in a large cohort of patients undergoing abdominal aortic surgery. Last year, Kortekaas at al. (BJA 2014;112:1005-14) published a proof-of-concept study in which he could not find an effect of sevoflurane on markers of myocardial injury. Similar negative results were reported by Flier in CABG patients (BJA 2010; 105:122-130). What looks too good to be true, usually is!

New EuroSIVA website

A new website was launched in 2015 to create a modern platform of communication for EuroSIVA. It includes highlights of our educational activities, teaching material and information on meetings and the EuroSIVA board. We also launched an interactive blog on various topics related to the practice of TIVA. Find out more on www.eurosiva.eu

