

Letters to the Editor

RBCCV 44205-1164

Quotation of article in Brazilian Journal of Cardiovascular Surgery (BJCVS)

Dear Dr. Braile,

All through the year we are glad for having intellectual contributions published in BJCS, which you manage honorably. Therefore, we would like to wish you and the Editorial Board success in 2010 and may good publications flourish abundantly.

Furthermore, we would like to report the paper from Tang XN, Yenari MA. Hypothermia as a cytoprotective strategy in ischemic tissue injury. *Ageing Research Reviews*. 2010;9(1):61-8, which refers to an article of our group published in BJCS (Meneghini A, Ferreira C, Abreu LC, Ferreira M, Ferreira Filho C, Valenti VE, Murad N. Cold stress effects on cardiomyocytes nuclear size in rats: light microscopic evaluation. *BJCS*. 2008;23(4):530-3).

We hope we can contribute with more publications throughout the year.

Best regards.

Prof. Dr. Luiz Carlos de Abreu – Physiology - Faculdade de Medicina do ABC, São Paulo/SP

Vitor Engrácia Valenti – PhD student in Cardiology at UNIFESP/EPM, São Paulo/SP

Trends in animal experimentation

“...The conscious admiration and the respect for the creation - of which the man is, at the same time, part and subject, will inspire him with respect and consideration that he owes to his similar, because that is its logical conclusion.”
(Carlos B. G. Petcotche)

Comments on the study “Trends in animal experimentation” authored by Full Professor Rosângela Monteiro, published in issue 24.4 of the Brazilian Journal of Cardiovascular Surgery (BJCVS).[1]

The activity of experimental surgery encompasses training in surgery and work in scientific research. In these changing times, on which the “learning curve” of the surgeon in training is no longer permissible, the learning in quality laboratory becomes an issue of renewed importance. [2,3]

I sought data from published literature on experimental surgery in the Journal of the Brazilian College of Surgeons in the years 2007 and 2008, highlighting the periodicity of the journal, its indexing (Latindex, LILACS and SciELO, Scopus, DOAJ and “Free Medical Journals”) its circulation (5000 copies) and also because they cover studies in the area of surgery as primary focus. In that period assessed, 177 were original articles and 21 approached experimental study (11.86%). It was observed that in four (19.04%) the records of the study on the ethics committee were cited (date and registration number).

Animal experimentation should follow the recommendations of the “3 Rs”, proposed by Russell and Burch (1959): reduction (reduced number of animals under experimentation), refinement (relief of pain and stress, and increasing the welfare of animals under experimentation) and replacement (replacement of animals in research for simulators) [4]. In an editorial, Goldenberg (2007) also highlights three important principles in animal experimentation: gain experience does not mean to cause injury, the practice of art and science must come together and publishing of the experimental study, because non-published knowledge is a lack of knowledge [5].

Regarding an editorial trend to be followed in studies on the experimental surgeries published by BJCVS in species of the phylum Chordata and subphylum Vertebrata, one should contain the recommendations similar to those from the Acta Cirúrgica Brasileira

(www.sobradpec.org.br):

1. following the precepts of the Brazilian College of Animal Experimentation - COBEA (www.cobea.org.br);
2. requesting a copy of the study protocol submitted to the Ethics Committee of the Institution on which the study was performed, as well as presenting these data attached to the Method, when submitting the study to the editor of BJCVS.

Not all ethical issues of the experimental study can be resolved with the recommendations above, but they would