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DESAFIOS DA TOXICOLOGIA

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DESAFÍOS DE LA TOXICOLOGÍA

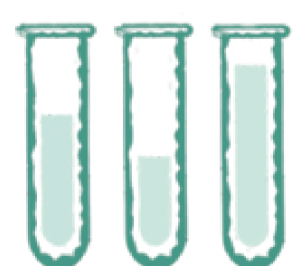
UNIVERSIDADE DA BEIRA INTERIOR - PORTUGAL 2021

4-5 JUNHO DE 2021

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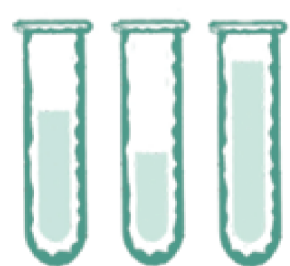


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Título: III Jornadas Ibéricas de Toxicologia
[Autor: E. Gallardo]
[Co-autor(es): UBIPharma - Núcleo de Estudantes de Ciências Farmacêuticas
da UBI]
[Instituição: Universidade da Beira Interior]
[Suporte: Eletrónico]
[Formato: n.d.]
[ISBN: 978-989-654-772-1]
Agência Nacional de ISBN, Lisboa, Portugal



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P018- HISTOLOGICAL LESIONS IN HPV16-TRANSGENIC MODEL: THE EFFECT OF HIDROETHANOLIC EXTRACT OF LAVANDULA PEDUNCULATA (MILL.) CAV.

Tiago Ferreira 1, Elisabete Nascimento-Gonçalves 1, Magda S.S.S. Moutinho 1, Maria João Pires 1, Margarida M.S.M. Bastos 2, Rui Medeiros, 3 António Nogueira 4, Lilian Barros 4, Isabel C.F.R. Ferreira 4, Rui M. Gil da Costa 5, Eduardo Rosa 1, Paula A. Oliveira 1

1 Centre for the Research and Technology of Agro-Environmental and Biological Sciences (CITAB), Inov4Agro, University of Trás-os-Montes and Alto Douro (UTAD), Vila Real, Portugal. tiagoterras55@gmail.com

2 LEPABE—Laboratory for Process Engineering, Environment, Biotechnology and Energy, Faculty of Engineering, University of Porto, Porto, Portugal

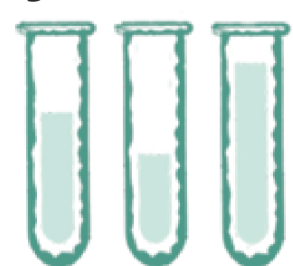
3 Virology Service, Portuguese Oncology Institute of Porto (IPO Porto), Porto, Portugal

4 Centro de Investigação de Montanha (CIMO), Instituto Politécnico de Bragança, Bragança, Portugal

5 Postgraduate Programme in Adult Health (PPGSAD), Tumour and DNA Biobank, Federal University of Maranhão (UFMA), São Luís, Brazil

The K14HPV16 mice is a skin squamous carcinoma model that can be used to test antitumoral properties of several chemical and natural compounds¹. *Lavandula pendunculata* (Mill.) Cav., known as lavender, belongs to the Lamiaceae family and has been used in traditional medicine as infusions to treat several conditions². This work aimed to evaluate the effects of the hydroethanolic French lavender extract (FLE) in an HPV16-transgenic mice model lesions.

The extract was obtained through a maceration with ethanol/water (80:20, v/v) and its phenolic composition was determined by HPLC-DAD-ESI/MS. The FLE was dissolved in drinking water at 6.8 mg/10mL/animal and the animals were supplemented during 29 consecutive days. Twenty-eight male mice were randomly divided into four groups: (n=7/group): group I (HPV16- control); II (HPV16- FLE); III (HPV16+ control) and IV (HPV16+ FLE). After 29 days all animals were sacrificed by xylazine-ketamine overdose following cardiac puncture to obtain blood samples. Skin samples (chest and ear), kidney, liver and spleen were processed for histological analysis.



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