



Ultraviolet Radiation - C: Promising Optical Technique in the Decontamination of Organs for Transplantation

L. C. Goenaga-Mafud, J. D. Vollet-Filho, N. M. Inada, C. Kurachi, and V. S. Bagnato

Author Information Find other works by these authors

Latin America Optics and Photonics Conference 2024
Puerto Vallarta Mexico
10–14 November 2024

In proceedings
Optica Latin America Optics and Photonics Conference (LAOP) 2024
ISBN: 978-1-957171-41-8

From the session
Joint Poster Session I (Tu4A)

Not Accessible
Your library or personal account may give you access

Get PDF Email Share Get Citation Citation alert Save article

PDF Article

Abstract

References (7)

Back to Top

Abstract

At present, there is a pursuit to increase the availability of organs for transplantation. Here, it is demonstrated that UV-C during the organ infusion process reduces the bacterial load of the organ.

© 2024 The Author(s)

[PDF Article](#)

Related Topics

More Like This

[Virtual staining-based diagnosis of organ transplant rejection](#)
Yuzhu Li, Nir Pillar, Tairan Liu, Guangdong Ma, Kevin de Haan, Yijie Zhang, Adrian J. Correa, Yulun Wu, Bijie Bai, Xilin Yang, Yuxuan Qi, William Dean Wallace, and Aydogan Ozcan
AF1B.5 CLEO: Applications and Technology (CLEO:A&T) 2024

[In Vivo Optical Coherence Tomography \(OCT\) Imaging of Transplant Kidney: Feasibility Studies](#)
Yu Chen, Peter Andrews, Jeremiah Wierwille, Wei Gong, and Hsing-Wen Wang
AW3L3 CLEO: Applications and Technology (CLEO:A&T) 2013

[Evaluation of Human Kidney for Transplantation Using Polarization-Sensitive Optical Coherence Tomography](#)
Feng Yan, Chen Wang, Bornface M. Mutembei, Zaid A. Alhajeri, Qinghao Zhang, Ebenezer Raj Selvaraj Mercyshalinie, Zhongxin Yu, Yu Chen, Kar-Ming Fung, and Qinggong Tang
ITu5E.3 Imaging Systems and Applications (IS) 2023

[View More...](#)