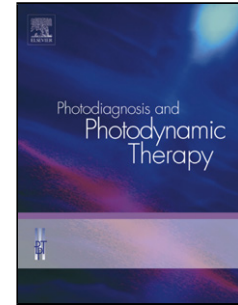


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Authors: Natalia Mayumi Inada, Hilde Harb Buzza, Fernanda Mansano Carbinatto, Kate Cristina Blanco, Cintia Teles de Andrade, José Dirceu Vollet-Filho, Vanderlei Salvador Bagnato, Ron R. Allison



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Optical techniques for the diagnosis and treatment of lesions induced by the human papillomavirus – a resource letter

Natalia Mayumi Inada¹, Hilde Harb Buzza¹, Fernanda Mansano Carbinatto¹, Kate Cristina Blanco¹, Cintia Teles de Andrade^{1,2}, José Dirceu Vollet-Filho^{1,3}, Vanderlei Salvador Bagnato¹, Ron R. Allison

¹ São Carlos Institute of Physics, University of São Paulo – PO Box 369, 13566-970, São Carlos, SP, Brazil

² Federal Institute of Alagoas, *campus* Piranhas – Av. Sergipe S/N, 57460-000, Piranhas, AL, Brazil.

³ Institute of Geosciences and Exact Sciences, São Paulo State University “Julio de Mesquita Filho” – Av. 24-A 1515, 13506-900, Rio Claro, SP, Brazil

Highlights - Optical techniques for the diagnosis and treatment of lesions induced by the human papillomavirus – a resource letter (by Inada et al.)

- Human papillomaviruses (HPV) are the most common sexually-transmitted virus.
- Carcinogenic HPV strains cause virtually all cervical cancer and precursor lesions.
- HPV-related diseases have relevant impact in patient welfare and public healthcare.
- This report collects data concerning HPV-induced lesions management and challenges.

Abstract

Human papillomaviruses (HPV) are the most common sexually-transmitted virus, and carcinogenic HPV strains are reported to be responsible for virtually all cases of cervical cancer and its precursor, the cervical intraepithelial neoplasia (CIN). About 30% of the sexually active population are considered to be affected by HPV. Around 600 million people are estimated to be infected worldwide. Diseases related to HPV cause significant impact from both the personal welfare point of view and public healthcare perspective. This resource letter collects relevant information regarding HPV-induced lesions and discusses both diagnosis and treatment, with particular attention to optical

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