PHOTOTHERAPY, PHOTODYNAMIC THERAPY

CONTRIBUTION OF CONVENTIONAL PHOTODYNAMIC THERAPY IN THE TREATMENT OF PRIMARY CUTANEOUS CENTROFOLLICULAR LYMPHOMA

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Background: Primary cutaneous centrofollicular lymphoma (PCCFL) is the most frequent subtype of cutaneous B-cell lymphomas (CBL). Usually, it remains localized in the skin and is well controlled by local radiotherapy or systemic chemotherapy in multiple locations. The efficacy of dynamic phototherapy (PDT) in the treatment of PCCFL has been rarely reported. We report a new case of PCCFL f treated with this approach.

Observation: A 49-year-old man presented in our department of dermatology with a ten-month history of infiltrated papulo-nodules in his back. Histopathology concluded the diagnosis of PCCFL. The assessment of tumor extension was negative and the patient was treated by radiotherapy (40 gray in 20 sessions) with complete improvement. After one year, there was a recurrence of arciform and infiltrated plaque of 15 cm in diameter at the same site. Treatment with radiotherapy was not indicated because the area was wide and previously irradiated. Treatment with rituximab and interferon was not indicated given the indolence of lymphoma and the absence of systemic extension. PDT was indicated as following: applying photosensitizing cream (Metvixia®) for 3 hours then irradiation with 635 nm red light (75 joules, 13 minutes). A complete desinfiltration of the plaque was observed after 2 sessions. No recurrence was noted after one year of follow up.

Key message: The efficacy of PDT in the management of PCCFL has been reported in 2006.PDT is indicated in non-nodular lesions and proposed as an alternative to radiotherapy which remains the Gold treatment. Larger studies are needed to confirm the contribution of this promising technique in the treatment of primary cutaneous lymphomas.