Case Reports on Patients with Cutaneous Leishmaniasis Responding to Ozone Therapy

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I. Abstract:

In the context of the Syrian crisis the cutaneous leishmaniasis form caused by L. tropical is the most important in terms of risk of being introduced in neighbouring countries. It also presents more treatment failures (up to 20% of cases may become chronic). So, more work needs to be done in this area.

This report focuses on three cases in Aleppo with cutaneous Leishmaniasis (CL), different for sex and age, it shows the effectiveness of oxygen-ozone therapy by using two different modalities of ozone administration. All the cases presented are healed.

Case (A): A 65-years-old woman shows on the right elbow the clinical signs (skin lesions/sore) of CL, diagnosis is confirmed parasitologically. She was treated with intralesional Glucantime® for eight weeks but that was useless. So, We isolated the infected body part by surrounding it with a bag and introduced oxygen-ozone gas at suitable concentrations for suitable time (20minutes) three times per week for 4 months.

Case (B):A 53-years-old man shows on the right wrist the clinical signs (skin lesions/sore) of CL, diagnosis was confirmed parasitologically. He did not treat with Glucantime® or any other medication. We apply the same treatment in case (A) but in different concentrations and for only 2 months.

Case (C): A 14-years-old girl shows on the left buttock the clinical signs (skin lesions/sore) of CL, diagnosis was confirmed parasitologically. She did not treat with Glucantime® or any other medication. We treated this case with intralesional oxygen-ozone gas Once per week for 3 months.

In conclusion, the efficacy of ozone therapy in the treatment of cutaneous leishmaniasis is appropriate to be evaluated in further clinical studies with a greater number of patients.

II. Images:



A1 (before applying ozone) A2 (healing of CL after 4 months) A3 (3 months after healing)

Biography

Ruba Kello holds a bachelor's degree in Applied Chemistry & a bachelor's degree in Pharmacy and Pharmaceutical Chemistry.
She has long experience in Pharmaceutical formulation development, she is very interested in the dosage form VPTC and in ozone therapy so now she is contributing and supervising many researches in this fields. She has published many papers in reputed journals and has been serving as a reviewer & editorial board member of several international journals of repute.

III. Research interest:

Clinical trials, Ozone Therapy, Pharmaceutical Formulation development, VPTC dosage form.

IV. Presenting author details



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Note: we can't attach all images for all cases because size of file will be large and we can't upload it in this case.