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Short Communication

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Therapeutic Influence of Intermittent Pneumatic Compression on Chronic Lower Extremity Lymphedema

Published On: April 29, 2025 | Pages: 020 - 023

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Chronic lower extremity lymphedema is a debilitating, progressive disorder characterized by pathological lymphatic fluid accumulation. It results in persistent swelling, discomfort, restricted mobility, and heightened infection susceptibility. Intermittent Pneumatic Compression (IPC) therapy has emerged as a promising adjunctive strategy designed to enhance lymphatic ...

Abstract View   Full Article View   DOI: 10.17352/ojtm.000032

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The Interaction of CX3CL1 and CX3CR1 in Infection, Inflammation, and Cancer: Implications for Therapeutic Intervention

Published On: April 25, 2025 | Pages: 015 - 019

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The CX3CL1/CX3CR1 axis, comprising the chemokine CX3CL1 (Fractalkine) and its receptor CX3CR1, plays a pivotal role in modulating immune responses during infection, inflammation, and cancer. This review discusses the molecular mechanisms underlying CX3CL1/CX3CR1 interaction and its role in immune cell recruitment, tissue remodeling, and tumor progression. In the conte ...

Abstract View   Full Article View   DOI: 10.17352/ojtm.000031

Mini Review

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## Innovative and Alternative Drug-based Prevention Approaches for Malaria

Published On: April 09, 2025 | Pages: 010 - 014

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Malaria is transmitted to humans through the bite of the Anopheles mosquito, which is the main vector of Plasmodium parasites (e.g. *P. falciparum*, *P. vivax*). The parasite life cycle comprises several stages both in the human host (liver and red blood cells) and in the mosquito vector. A better understanding of vector biology and transmission dynamics is essential for ...

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[DOI: 10.17352/ojtm.000030](#)

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## Tropical Regions and the Concept of 'International Medicine'- Measures that the Government Might Need to Take to Respond to Natural Disasters

Published On: February 20, 2025 | Pages: 007 - 009

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Insufficient supply and sanitation services affect the lives of billions of people in developing countries. The situation is exacerbated during natural disasters because existing infrastructure is destroyed and scarce resources are diverted to crisis management and subsequent reconstruction. By comparison, many developed countries have preventative measures in place t ...

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[DOI: 10.17352/ojtm.000029](#)

## **Diseases Transmitted by Vectors: Possible Examples of Lymphatic Filariasis, Malaria and Schistosomiasis**

Published On: February 20, 2025 | Pages: 004 - 006

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Human health is affected by climate change, which has a significant impact on pathogens (parasites, viruses, and bacteria), vectors, and reservoir hosts, affecting the transmission of many vector-borne diseases. Multiple vectors have expanded their latitudinal and altitudinal range, and the length of the season in which they are active is increasing. It is expected th ...

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## **How to assess the Immunization Requirements of a Person Traveling from a Developed Country to a Developing Country**

Published On: February 20, 2025 | Pages: 001 - 003

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Travel medicine is a branch of medicine that deals with the prevention and treatment of medical problems in international travelers. The Tropical and Travel Medicine activity is aimed at the prevention and treatment of diseases related to travel, in particular infectious diseases. These activities are generally integrated into the Infectious Diseases Department of the ...

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