

**ISOPROSTANE 8-EPI-PROSTAGLANDIN $F_{2\alpha}$ IS A POTENT
CONTRACTOR OF HUMAN PERIPHERAL LYMPHATICS****H. Sinzinger, A. Oguogho, J. Kaliman**

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ABSTRACT

Isoprostanes are products of free radical-catalyzed peroxidation and 8-epi-prostaglandin (PG) F_2 is the most important vasomodulator of this group of compounds. In human lower leg lymphatics isolated from 5 different patients without a smoking history or hyperlipidemia, 8-epi-PGF₂ stimulated in vitro contraction more strongly than the thromboxane receptor agonist U46619. Other isoprostanes (8-epi-PGE₁, 8-epi-PGE₂) had only limited lymphatic contractile potency. These data suggest a potentially relevant role for 8-epi-PGF₂ in facilitating lymph transport especially in conditions of inflammation.