

Index

Foreword 8 /

Introduction 10 /

CHAPTER I. The protective effect of Ozone Oxidative Preconditioning against the hepatotoxicity by Reactive Oxygen Species (ROS) 13 /

Clinical Applications 23 /

CHAPTER II. Effects of ozonotherapy in the Ischemic Syndrome. 24/

II.1 Ozonotherapy against the damage by hepatic Ischemia/ Reperfusion (I/R) 24/

Clinical Applications 35 /

II.2 Ozonotherapy effects on adenosine and ROS production during hepatic I/R. 36 /

Clinical Applications 45/

II.3 Comparative study between Ozone oxidative Preconditioning and the Ischemic Preconditioning. 46/

Clinical Applications 55 /

II.4 The medical ozone, a 'NO regulator an essential free radical for life. 56 /

Clinical Applications 66 /

II.5 The ozonotherapy therapeutical effectiveness is mediated by A₁ adenosine receptors. 67 /

Clinical Applications 81 /

II.6 Superoxide Dismutase. An Ozonotherapy therapeutical target. 82 /

Outline summary of the medical ozone actions against the damage by liver I/R. 93 /

Ozonotherapy therapeutical targets with therapeutical potentials in the ischemic cerebral infarction. 94 /

Clinical Applications 95 /

CHAPTER III. Ozone oxidative Postconditioning in Diabetes and its macrovascular complications. 96 /

III.1 Ozonotherapy: the control of blood glucose and the protection of vascular endothelium 96 /

Clinical Applications 114 /

III.2 the ozonotherapy in diabetic patients with Neuroinfectious Foot 117 /

Clinical Applications 141 /

CHAPTER IV. Ozonotherapy and the Pain 141 /

IV.1 Adenosine and A receptors in the pain. 141 /

IV.2 Ozone oxidative Postconditioning and its effectiveness in Disc Hernia. 150 /

Results to highlight in the clinical context. 176 /

References 177 /

Acronyms 196 /