

Mark with an X

Symptoms you have or therapies you have received



I understand that ALL the information that I have provided is necessary in order that my dental care is safe and efficient.

I have answered all questions in truthfully to the best of my knowledge.

Signature of patient (or parent) _____ Date _____

Oxidative stress represents an imbalance between the systemic manifestation of [reactive oxygen species](#) and a biological system's ability to readily detoxify the reactive intermediates or to repair the resulting damage. Disturbances in the normal [redox](#) state of cells can cause toxic effects through the production of [peroxides](#) and [free radicals](#) that damage all components of the cell. In humans, oxidative stress is thought to be involved in the development of many diseases or may exacerbate their symptoms. These include [cancer](#),^[1] [Parkinson's disease](#), [Alzheimer's disease](#),^[2] [atherosclerosis](#), [heart failure](#),^[3] [myocardial infarction](#),^[4] [Schizophrenia](#),^[5] [Bipolar disorder](#),^[6] [fragile X syndrome](#),^[7] [Sickle Cell Disease](#),^[8] and [chronic fatigue syndrome](#).^[9] However, reactive oxygen species can be beneficial, as they are used by the [immune system](#) as a way to attack and kill [pathogens](#).^[10] Short-term oxidative stress may also be important in prevention of [aging](#) by induction of a process named [mitohormesis](#).^[11]