DESCRIPTION

Part of the prestigious Novartis Foundation, this is the first book to review the pathology associated with acetaldehyde, a known toxic agent found in cigarette smoke and other pollutants and derived from ingested alcohol, amongst other sources. In the body, acetaldehyde affects several tissues, particularly the brain and liver, causing various diseases, including cancer, alcoholic liver disease and Alzheimer's.

*Acetaldehyde-Related Pathology* describes the toxic effects of acetaldehyde at the tissue and cellular levels, reviewing enzyme biochemistry, transgenic mouse models of alcohol dehydrogenase mutants, and the cell-signalling pathways implicated in alcohol-related pathology. It explores the mechanisms of acetaldehyde-induced damage to tissues, often a first step in carcinogenesis, including the oral cavity, the human airway, and the GI tract. The book considers pharmacological strategies and treatments for reducing oral and intestinal acetaldehyde. *Acetaldehyde-Related Pathology* features in-depth, round-table discussions by an international array of scientists from major laboratories worldwide involved in studies of acetaldehyde-related pathology.

This book is essential reading for anyone interested in the effects of this compound - pathologists, biochemists, toxicologists, cell and molecular biologists.
ABOUT THE AUTHOR

The Novartis Foundation is an international scientific and educational charity which promotes the study and general knowledge of science and in particular encourages international co-operation in scientific research.

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