

Diabetes and Cancer

Epidemiological Evidence and Molecular Links

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Can diabetes give you cancer?

Long thought to be two independent scourges of modern western societies, there is now ample evidence that cancer and diabetes are, in fact, closely linked.

While diabetes and high blood pressure, two of the three diseases of modern civilization, have long been seen to be linked and are now even combined in the 'metabolic syndrome', cancer, the third, was long assumed to be unrelated to the other two. Lately however, groundbreaking research has found that many cancer cells feast on the amply available glucose in the blood of many diabetes patients. More precisely, a substantial number of studies has shown that increased levels of fasting serum glucose as well as generally high blood glucose levels are linked to increased risk of cancer of the pancreas, gullet, bowel, liver and colorectum in men and the cervix and liver in women.

This book, at the forefront of experimental and clinical research, is the first to highlight the common molecular links between these two diseases and to examine the complex interdependency on a cellular and hormonal level as well the many factors that influence it, including nutrition, social and neuroimmunological factors as well as a profound change in cell metabolism.

Interdisciplinary studies helped discover the link between cancer and diabetes, and hence this book aims to encourage scientists and physicians working separately on these individual conditions to collaborate and combine their therapies and strategies. This is the more pressing as early detection of the first signs of diabetes or metabolic syndrome is imperative to help prevent these three diseases of modern civilization, predicted to become the number one killer diseases in the 21st century.

For more information: www.karger.com/FDIAB

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