

Iodine Deficiency Disorders And Their Elimination

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Iodine Deficiency Disorders And Their

When left untreated, iodine deficiency can lead to severe hypothyroidism. Complications may include: heart disease and related disorders, such as an enlarged heart and heart failure

Iodine Deficiency: Symptoms, Related Conditions, and Treatment

It sets out principles governing the use of surveillance indicators in implementing interventions to prevent, control, and monitor iodine deficiency disorders (IDD). It presents methods for monitoring iodine status and determining urinary iodine and provides guidelines on the procedures for monitoring salt iodine content, whether at the factory, importation site, or household level.

WHO | Assessment of iodine deficiency disorders and ...

Iodine deficiency is a lack of the trace element iodine, an essential nutrient in the diet. It may result in metabolic problems such as goiter, sometimes as an endemic goiter as well as cretinism due to untreated congenital hypothyroidism, which results in developmental delays and other health problems. Iodine deficiency is an important global health issue, especially for fertile and pregnant women. It is also a preventable cause of intellectual disability. Iodine is an essential ...

Iodine deficiency - Wikipedia

Iodine is an essential micronutrient and an integral component of the thyroid hormones, which are required for normal growth and development. The iodine deficiency disorders (IDD) encompass a spectrum of adverse health effects including goiter, cretinism, hypothyroidism, growth retardation, and increased pregnancy loss and infant mortality.

Iodine Deficiency Disorders and Their Elimination ...

IODINE DEFICIENCY DISORDERS Executive summary Elimination of Iodine Deficiency Disorders (IDD) is a most important health and social goal. Iodine deficiency at critical stages during pregnancy and early childhood results in impaired development of the brain and consequently in impaired mental function.

Assessment of Iodine Deficiency Disorders and Monitoring ...

Severe iodine deficiency in the mother has been associated with miscarriages, stillbirth, preterm delivery, and congenital abnormalities in their babies. Children of mothers with severe iodine deficiency during pregnancy can have intellectual disabilities and problems with growth, hearing, and speech.

Iodine Deficiency | American Thyroid Association

The iodine deficiency disorders: their nature and prevention. The iodine deficiency disorders: their nature and prevention Annu Rev Nutr. 1989;9:21-38. doi: 10.1146/annurev.nu.09.070189.000321. Authors B S Hetzel 1 , J T Dunn. Affiliation 1 CSIRO Division of ...

The iodine deficiency disorders: their nature and prevention

Iodine deficiency has many adverse effects on growth and development. These effects are due to inadequate production of thyroid hormone and are termed iodine-deficiency disorders. Iodine deficiency is the most common cause of preventable mental impairment worldwide.

Iodine-deficiency disorders - The Lancet

World Health Organization, International Council for Control of Iodine Deficiency Disorders & United Nations Children's Fund (UNICEF). (1994). Indicators for assessing iodine deficiency disorders and their control through salt iodization. World Health Organization.

Indicators for assessing iodine deficiency disorders and ...

An iodine deficiency can cause uncomfortable and even severe symptoms. They include swelling in the neck, pregnancy-related issues, weight gain and learning difficulties. Its symptoms are very...

10 Signs and Symptoms of Iodine Deficiency

Symptoms of iodine deficiency include an enlarged thyroid gland (called a goiter), hypothyroidism (low thyroid function), problems getting pregnant, and birth defects in children whose mothers are...

What Is Iodine Deficiency? Symptoms, Causes, Treatment ...

Cretinism is characterized by intellectual disability followed by other symptoms if the iodine deficiency continues into infancy. 7 One type of cretinism is called neurological cretinism. This occurs when iodine levels are sufficient during infancy, but the fetus was iodine deficient during pregnancy.

An Overview of Iodine Deficiency - Verywell Health

IODINE DEFICIENCY OF THE FETUS Iodine deficiency of the fetus is the result of iodine deficiency in the mother. The condition is associated with stillbirth, abortion, and congenital abnormalities, and the incidence of these can be reduced by iodisation.

IODINE DEFICIENCY DISORDERS (IDD) AND THEIR ERADICATION ...

The importance of iodine deficiency disorders (IDD) Iodine deficiency, through its effects on the developing brain, has con-demned millions of people to a life of few prospects and continued underdevelopment. On a worldwide basis, iodine deficiency is the single most important preventable cause of brain damage. People living in areas affected by severe iodine deficiency may have an

Assessment of iodine deficiency disorders and monitoring ...

Iodine deficiency can lead to a variety of health and developmental consequences known as iodine deficiency disorders (IDDs). Iodine deficiency is a major cause of preventable mental retardation. It is especially damaging during pregnancy and in early childhood. In their most severe forms, IDDs can lead to cretinism, stillbirth and miscarriage; even mild deficiency can cause a significant loss of learning ability.

Iodine - UNICEF Data

Iodine deficiency early in life impairs cognition and growth, but iodine status is also a key determinant of thyroid disorders in adults. Severe iodine deficiency causes goitre and hypothyroidism because, despite an increase in thyroid activity to maximise iodine uptake and recycling in this setting, iodine concentrations are still too low

Iodine deficiency and thyroid disorders - The Lancet ...

John T. Dunn, in Encyclopedia of Endocrine Diseases, 2004. Socioeconomic Damage. Iodine deficiency not only hurts the individual, but also the community in which he or she lives. Hypothyroid people are less efficient, less productive, and more prone to illness. Their domestic animals risk similar complications from iodine deficiency and they have more stillbirths and produce fewer eggs, less ...

Iodine Deficiency - an overview | ScienceDirect Topics

Iodine deficiency leads to a number of health issues. It is the largest contributor to brain damage which is often permanent. IDD is especially common among women as it affects pregnancy and can lead to breast cancer. Although IDD can have severe consequences, the disorder itself is easily preventable with a sufficient daily dose of iodine.

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