

Anthracycline-induced cardiotoxicity: Course ...

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Anthracycline-induced cardiotoxicity: Course, pathophysiology, prevention and management Article · Literature Review in Expert Opinion on Pharmacotherapy 8(8):1039-58 · July 2007 with 66 Reads

Rapid and life-threatening heart ... - BMJ Case Reports

<https://casereports.bmj.com/content/2018/bcr-2018-225613> ▾

Aug 16, 2018 · We report a case of rapidly developing heart failure and cardiogenic shock shortly after starting treatment with pazopanib in a patient without a history of previous anthracycline administration. To our knowledge, this is the first case of life-threatening heart failure or cardiogenic shock precipitated by pazopanib in a patient without any ...

Author: Haotong Wang, Alicia Rodriguez-Pla, An... **Publish Year:** 2018

Molecular Mechanisms of Cardiotoxicity Induced by ErbB ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3497272>

Anthracyclines cause type I cardiotoxicity which is dose-dependent, irreversible and normally associated with biopsy changes, whereas trastuzumab causes type II **cardiotoxicity**, which is dose-independent, largely reversible and does not produce ultrastructural changes on histological examination . While the molecular basis of type II **cardiotoxicity** is largely unknown, several mechanisms of **anthracycline induced type I cardiotoxicity** ...

Cited by: 30

Author: Anne-Sophie Hervent, Gilles W. De Keulenaer

Publish Year: 2012

Cardiotoxicity following cyclophosphamidetherapy: a case ...

https://www.researchgate.net/publication/263935385_Cardiotoxicity_following...

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Anthracycline Chemotherapy–Induced Cardiotoxicity in ...

https://www.ons.org/articles/anthracycline...

Sep 01, 2019 · Problem Identification: This review identifies specific cardiotoxicity related to anthracycline chemotherapy, specific risk factors related to increased anthracycline chemotherapy–induced cardiotoxicity, and underlying mechanisms of action of anthracycline chemotherapy–induced cardiotoxicity. Literature Search: PubMed®, CINAHL®, Embase®, and Web of Science were searched in May 2018 using keywords related to heart diseases, anthracycline chemotherapy..

Anthracycline-Induced Cardiotoxicity in Adults

jhoponline.com/jhop-issue-archive/2018-issues/jhop...

Symptom Overview

Etiology

Monitoring

Primary Prevention

Anthracyclines, such as doxorubicin or epirubicin, have been used for decades for the treatment of a variety of cancers, including breast cancer, sarcoma, lymphoma, and leukemia.1 Type I cardiotoxicity is a known irreversible complication of anthracycline use and is associated with cumulative doses (Table 1). It is estimated that 3% to 5%, 7% to 26%, and 18% to 48% of patients with cumulative doxorubicin doses of 400 mg/m2, 550 mg/m2, and 700 mg/m2, respectively, will develop doxorubicin-induced heart failure (H...

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Author: Joseph Bubalo, PharmD, Bcps, Bcop Publish Year: 2018

Anthracycline Cardiotoxicity: Prevalence, Pathogenesis and ...

europemc.org/articles/PMC3322439

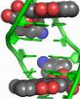
Nov 01, 2011 · Anthracycline-induced cardiotoxicity is due in large part to the generation of free radicals from doxorubicin through mitochondrial redox cycling of doxorubicin in the cardiomyocyte, which ultimately results in left ventricular dysfunction, and in the most severe cases, congestive heart failure.

A Case of Pulmonary Edema Triggered by Tracheal Extubation ...

https://www.fortunejournals.com/articles/a-case-of...

Here, we report case of pulmonary edema triggered by tracheal extubation in a patient with anthracycline-induced cardiomyopathy. 2. Case Report. A 75-year-old woman was scheduled for right mastectomy for breast cancer. She was treated with doxorubicin for 3 months, followed by docetaxel for 2 months, prior to the surgery.

Anthracycline



Anthracyclines is a class of drugs used in cancer chemotherapy that are extracted from Streptomyces bacterium. These compounds are used to treat many cancers, including leukemias, lymphomas, breast, stomach, uterine, ovarian, bladder cancer, and lung cancers. The first anthracycline discovered was daunorubicin, which is produced naturally by Streptomyces peucetius, a species of actinobacteria. Clinically the most important anthracyclines are doxorubicin, daunorubicin, epirubicin and idarubicin.

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(348/401)**Name of Journal:** *World Journal of Clinical Oncology***Manuscript NO:** 59217**Manuscript Type:** CASE REPORT**Anthracycline-induced cardiotoxicity: A case report and review of literature**

Esther G Chong, Eric H Lee, Reena Sail, Laura Denham, Gayathri Nagaraj, Chung-Tsen Hsueh

Abstract**BACKGROUND**

Doxorubicin and other anthracycline derivatives inhibit topoisomerase II, and is an important class of cytotoxic chemotherapy in cancer treatment. The use of anthracycline is limited by dose-dependent cardiotoxicity, which may manifest initially as asymptomatic cardiac dysfunction with subsequent progression to congestive heart

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Sep 01, 2019 · Problem Identification: This review identifies specific **cardiotoxicity** related to **anthracycline chemotherapy**, specific risk factors related to increased **anthracycline chemotherapy–induced cardiotoxicity**, and underlying mechanisms of action of anthracycline chemotherapy–induced cardiotoxicity. **Literature** Search: PubMed®, CINAHL®, Embase®, and Web of Science were searched in May 2018 using keywords related to heart diseases, **anthracycline chemotherapy**, ...

Anthracycline Cardiotoxicity in a Patient with Diffuse ...

<https://europepmc.org/article/PMC/PMC7673274> ▾

Oct 19, 2020 · Clinical history, echocardiography, and differential diagnosis led us to attribute her condition to heart failure (HF) due to early doxorubicin-induced cardiomyopathy. The patient outcome was favorable. We discuss the pathogenesis and incidence of anthracycline-induced **cardiotoxicity** as well as strategies for its detection, prevention, and ...

Case report and review of the literature: the utilisation ...

<https://www.ncbi.nlm.nih.gov/pubmed/29198224>

Anthracyclines cause **cardiac toxicity** and may result in acute or long-term **cardiac** failure. We describe the use of a ventricular assist device as a bridge to recovery in a child with severe acute **anthracycline-induced cardiomyopathy**, and we **review** the associated **literature**.

Cited by: 2

Author: Diane Krasnopero, Alfred Asante-Koran...

Publish Year: 2017

Recovery from anthracycline-induced cardiomyopathy with ...

<https://www.ncbi.nlm.nih.gov/pubmed/29806528>

1. Int J Artif Organs. 2018 Jul;41(7):413–417. doi: 10.1177/0391398818772497. Epub 2018 May 27. Recovery from anthracycline-induced cardiomyopathy with biventricular assist and valve repairs: A