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<https://www.medrxiv.org/content/10.1101/2020.06.01.20119719v1> ▼

Jun 02, 2020 · Cardiac Adverse Events of Immune Checkpoint Inhibitors in Oncology Patients: A Systematic Review and Meta-Analysis **Nso Nso Vialli** , **Daniel Antwi-Amoabeng** , **Bryce David Beutler** , **Mark B. Ulanja** , **Jasmine Ghuman** , **Ahmed Hanfy** , **Joyce Nimo-Boampong** , **Sirri Atanga** , **Rajkumar Doshi** , **Sostanie Enoru** , Nageshwara Gullapalli

Author: Nso Nso Vialli, Daniel Antwi-Amoab...

Publish Year: 2020

Cardiac Adverse Events of Immune Checkpoint Inhibitors in ...

https://www.researchgate.net/publication/341835820_Cardiac_Adverse_Events_of_Immune...

However, **immune-related adverse effects** of **ICI therapy** are common. **Cardiovascular immune-related adverse events** (irAEs) are rare but potentially life-threatening complications.

Immune Checkpoint Inhibitor-Related Adverse Cardiovascular ...

<https://cardiooncology.onlinejacc.org/content/1/2/182> ▼

Dec 01, 2019 · Objectives The purpose of this study was to evaluate whether **immune checkpoint inhibitors** (ICIs) are associated with an increased risk of major **adverse cardiovascular events** (MACE) compared with non-ICI therapies in **patients** with lung **cancer**. Background ICIs activate the host **immune** system to target **cancer** cells. Though uncommon, **cardiovascular immune-related adverse events** ...

Cited by: 4

Author: Kalyan R. Chitturi, Jiaqiong Xu, Raquel ...

Publish Year: 2019

Immune Checkpoint Inhibitors and Adverse Events in ...

<https://jamanetwork.com/journals/jamanetworkopen/fullarticle/2763238> ▼

Mar 25, 2020 · Findings In this **systematic review** and network **meta-analysis** of randomized clinical trials of advanced melanoma treatment, the risk of **immune-related adverse events** varied by the **immune checkpoint inhibitors** used and by the different doses of these same **immune**

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Cardiac adverse events of immune checkpoint inhibitors in oncolog



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Jun 02, 2020 · Background: **Immune checkpoint inhibitors** (ICIs) are novel therapeutic agents used for various types of **cancer**. ICIs have revolutionized **cancer** treatment and improved clinical outcomes among **cancer patients**. However, **immune**-related **adverse** effects of ICI therapy are common. **Cardiovascular immune**-related **adverse events** (irAEs) are rare but potentially life-threatening ...

Author: Nso Nso Vialli, Daniel Antwi-Amoabeng,... **Publish Year:** 2020

Cardiac Adverse Events of Immune Checkpoint Inhibitors in ...

<https://www.researchgate.net/publication/341835820...>

Methods: We conducted this systematic review and meta-analysis by searching PubMed, Cochrane CENTRAL, Web of Science, and SCOPUS databases for relevant **interventional trials reporting** ...

Management of Immune-Related Adverse Events in Patients ...

<https://pubmed.ncbi.nlm.nih.gov/29442540>

Purpose To increase awareness, outline strategies, and offer guidance on the recommended management of **immune**-related **adverse events** in **patients** treated with **immune checkpoint inhibitor** (ICPi) therapy. Methods A multidisciplinary, multi-organizational panel of experts in medical **oncology**...

Cited by: 1064 **Author:** Julie R. Brahmer, Christina Lacchetti, Bryan...

Publish Year: 2018

Meta-analysis of immune-related adverse events of immune ...

<https://onlinelibrary.wiley.com/doi/abs/10.1111/1759-7714.13541>

Meta-analysis of immune-related **adverse events of immune checkpoint inhibitor** therapy in **cancer patients** ... The relevant data with inclusion criteria were performed using RevMan 3.6.0 for **meta-**

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Cardiac Adverse Events of Immune Checkpoint Inhibitors in ...

<https://www.medrxiv.org/content/10.1101/2020.06.01.20119719v1> ▾

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Author: Nso Nso Vialli, Daniel Antwi-Amoaben... Publish Year: 2020

Diagnosis and Treatment of Immune Checkpoint Inhibitor ...

<https://www.acc.org/latest-in-cardiology/articles/2020/10/30/15/06/diagnosis-and...> ▾

Oct 30, 2020 · Brahmer JR, Lacchetti C, Schneider BJ, et al. Management of **Immune-Related Adverse Events** in Patients Treated With **Immune Checkpoint Inhibitor** Therapy: American Society of Clinical Oncology Clinical Practice Guideline. J Clin Oncol 2018;36:1714-68. Michel L, Rassaf T, Totzeck M. Cardiotoxicity from **immune checkpoint inhibitors**.

Immune Checkpoint Inhibitors and Cardiac Toxicity: An ...

<https://pubmed.ncbi.nlm.nih.gov/28403786>

Although **CTLA-4 inhibitors** and PD-1 and PD-L1 blocking agents are frequently associated with a wide spectrum of **immune-related adverse events**, **cardiac toxicity** has been underestimated. However, early **animal studies** have demonstrated that after **CTLA-4 inhibition** and PD-1 deletion autoimmune myocarditis can occur.

Cited by: 69 Author: Gilda Varricchi, Giancarlo Marone, Valenti... Publish Year: 2017

Management of Immune-Related Adverse Events in Patients ...

<https://pubmed.ncbi.nlm.nih.gov/29442540>

Purpose To increase awareness, outline strategies, and offer guidance on the recommended management of **immune-related adverse events** in patients treated with **immune checkpoint inhibitor** (ICPi) therapy. Methods A multidisciplinary, multi-organizational panel of experts in medical oncology...

Cited by: 1133 Author: Julie R. Brahmer, Christina Lacchetti, Bry... Publish Year: 2018

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Cardiac adverse events of immune checkpoint inhibitors in oncology patients: a systematic review and meta-analysis

Cardiac adverse events of immune checkpoint inhibitors.

Abstract

BACKGROUND

Immune checkpoint inhibitors (ICIs) are novel therapeutic agents used for various types of cancer. ICIs have revolutionized cancer treatment and improved clinical outcomes among cancer patients. However, immune-related adverse effects of ICI therapy are common. Cardiovascular immune-related adverse events (irAEs) are rare but potentially life-threatening complications.