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Mohammad Almeqdadi, Joe Aoun, Joseph Carrozza. "Native coronary artery thrombosis in the setting of heparin-induced ..."

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**Name of Journal:** *World Journal of Cardiology*

**Manuscript NO:** 59164

**Manuscript Type:** CASE REPORT

**Heparin-Induced Thrombocytopenia in Patient with Chronic Renal Insufficiency Undergoing Dialysis and PCI after Acute Myocardial Infarction: a case report**

HIT after PCI

### Abstract

#### BACKGROUND

Heparin-induced thrombocytopenia (HIT) is a rare complication of heparin therapy, and is characterized by arteriovenous thrombosis and bleeding events. The incidence of HIT after percutaneous coronary intervention (PCI) in patients with myocardial infarction complicated with renal failure is rarely reported.

#### CASE SUMMARY

Heparin-Induced Thrombocytopenia in Patient with Chronic Renal



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**Cited by:** 56 **Author:** E. Pravinkumar, N. R. Webster

**Publish Year:** 2003

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Abstract. **Heparin-induced thrombocytopenia** (HIT) is a rare but potentially devastating and life-threatening complication of heparin therapy. HIT not only causes **thrombocytopenia**, but it also carries an increased risk for both arterial and venous thrombotic complications, despite the administration of heparin as an anticoagulating agent.<sup>1</sup> HIT is associated with antibodies to a complex of ...

**Author:** Yunus Nazli, Necmettin Colak, Bora De...

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Nov 26, 2018 · Introduction. **Heparin induced-thrombocytopenia** (HIT) is a life-threatening rare complication of heparin therapy. Its pathogenesis includes the formation of antibodies against platelets, which eventually lead to paradoxical thrombotic complications. 1–3 Venous thrombosis is far more common than arterial thrombosis in HIT, although both occur. In patients with HIT, native **coronary** ...

**Author:** Mohammad Almeqdadi, Joe Aoun, Jos... **Publish Year:** 2018

### [Heparin-induced thrombocytopenia in the ICU: an overview](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3219407)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3219407>

Introduction. Heparin, a negatively charged glycosaminoglycan (3,000-30,000 Da), is an anticoagulant released by mast cells and basophils during the normal clotting process [].Heparin is widely used for the treatment and prophylaxis of thromboembolic diseases in medical and surgical patients [].**Heparin-induced thrombocytopenia** (HIT) is one of the most serious adverse events associated with ...

**Cited by:** 63 **Author:** Yasser Sakr

**Publish Year:** 2011

### [Treatment and Prevention of Heparin-Induced Thrombocytopenia](https://journal.chestnet.org/article/S0012-3692(12)60130-5/fulltext)

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**Heparin-induced thrombocytopenia** (HIT) is an antibody-mediated adverse drug reaction that can lead to devastating thromboembolic complications, including pulmonary embolism, ischemic limb necrosis necessitating limb amputation, **acute myocardial infarction**, and stroke.

**Cited by:** 975 **Author:** Lori-Ann Linkins, Antonio L. Dans, Lisa K. M...

**Publish Year:** 2012

### [A case of heparin-induced thrombocytopenia with subacute](#)

## Heparin-induced thrombocytopenia

Heparin-induced thrombocytopenia is the development of thrombocytopenia, due to the administration of various forms of heparin, an anticoagulant. HIT predisposes to thrombosis because platelets release microparticles that activate thrombin, thereby leading to thrombosis. When thrombosis is identified the condition is called heparin-induced thrombocytopenia and thrombosis. HIT is caused by the formation of abnormal antibodies that activate platelets. If someone receiving heparin develops new or worsening thrombosis, or if the platelet count falls, HIT can be confirmed with specific blood tests.

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