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1	Internet 24 words <a href="http://www.ncbi.nlm.nih.gov">www.ncbi.nlm.nih.gov</a>	1%
2	Publications 12 words DOĞU, Gamze G., DİKİLİTAŞ, Mustafa, ÖZKAN, Metin, KARAHAN, İbrahim O., KARACA, Züleyha, GÜNAY, Nejmiye and	1%

**Name of Journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 55317

**Manuscript Type:** CASE REPORT

**Late-onset non-islet cell tumor hypoglycemia: a case report**

Non-islet cell tumor hypoglycemia

### Abstract

#### BACKGROUND

Hypoglycemia due to non-insulin-producing tumors is referred to as non-islet cell tumor hypoglycemia (NICTH). As NICTH is a rare lesion, the natural course of NICTH is not well understood. We report a case of NICTH that was observed 30 years before the onset of hypoglycemia.

#### CASE SUMMARY

A 50-year-old man was diagnosed with an abnormal right chest shadow during a



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Aug 15, 2018 · Non-islet cell tumor hypoglycemia (NICTH) is one of the major causes of fasting hypoglycemia and it can occur with SFT in rare cases. In most patients with NICTH, **high molecular weight insulin-like growth factor (IGF)-2** derived from the tumor causes hypoglycemia. **Surgical resection** with negative margins is the most suitable approach for treating STS.

Author: Satoshi Takeuchi, Tomohiro Goda, Ju... Publish Year: 2018

### [A Case of Non-Islet Cell Tumor Hypoglycemia \(NICTH ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5608149>

As this case report has shown, hypoglycemia in the setting of decreased **insulin levels** is suggestive of a diagnosis of **non-islet cell tumor hypoglycemia (NICTH)**. When NICTH is a paraneoplastic syndrome associated with **gastrointestinal stromal tumor (GIST)**, the tumor produces an altered form of **insulin-like growth factor (IGF)-2**, which results in hypoglycemia.

Cited by: 2 Author: John M Wilson, Jessica Ginsberg, Karen ...  
Publish Year: 2017

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[https://www.jstage.jst.go.jp/article/internalmedicine/57/16/57\\_0231-17/\\_pdf/-char/en](https://www.jstage.jst.go.jp/article/internalmedicine/57/16/57_0231-17/_pdf/-char/en)

from extrapleural sites have also been reported (3). Non-islet cell tumor hypoglycemia (NICTH) is one of the major causes of fasting hypoglycemia and it can occur with SFT in rare cases. In most patients with NICTH, **high molecular weight insulin-like growth factor (IGF)-2** ...

### [Frontiers | Non-islet Cell Hypoglycemia: Case Series and ...](#)

<https://www.frontiersin.org/articles/10.3389/fendo.2019.00316/full> ▾

Introduction

Case 1

Case 2

Discussion

Conclusion

Eth



Non-islet cell hypoglycemia (NICH) is a rare cause of hypoglycemia which is due to excessive secretion of insulin-like growth factor (IGF)-2 or pro IGF-2. These molecules can activate the insulin receptor and can cause hypoglycemia. NICH is seen in association with epithelial and mesenchymal tumors. (1) NICH is potentially misdiagnosed or underdiagnosed due to its rarity, non-classical clinical presentation, and an ambigou...



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## Non-islet cell tumor hypoglycemia caused by intrathoracic ...

<https://pubmed.ncbi.nlm.nih.gov/27061182>

Background: **Non-islet cell tumor hypoglycemia (NICTH)** is defined as a form of **hypoglycemia** caused by an **extrapancreatic tumor**. **Solitary fibrous tumor (SFT)** associated with **hypoglycemia** is rare. Case presentation: A 76-year-old woman, who had frequently experienced **hypoglycemic symptoms** such as presyncope for the prior 6 months, visited our hospital to undergo detailed examinations.

**Cited by:** 3 **Author:** Masahiro Kitada, Shunsuke Yasuda, Nana ...

**Publish Year:** 2016



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PubMed searches were conducted for the following terms: "non-islet-cell tumor hypoglycemia," "NICTH," "Doege-Potter," "Doege-Potter syndrome," "high molecular weight IGF-II," and "big IGF-II." All articles identified by these searches were reviewed if the article text was available in English. Case reports and case series were included in our detailed review and summary if they were published between January 1, 1988, and August 15, 2013. This time period was chosen to correspond with the elucidation of the mech...

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**Cited by:** 95 **Author:** Timothy W. Bodnar, Maria J. Acevedo, Mas...

**Publish Year:** 2014 **Published:** Mar 01, 2014

### PEOPLE ALSO ASK

What is non-islet cell tumor hypoglycemia? ▾

Is hypoglycemia a malignant tumor? ▾