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

**Manuscript NO:** 54643

**Manuscript Type:** ORIGINAL ARTICLE

## Serum von Willebrand factor for early diagnosis of lung adenocarcinoma in patients with type 2 diabetes mellitus

### Abstract

#### BACKGROUND

The elevation of plasma von Willebrand factor (vWF) has been proposed to be a predictor of lung cancer. Type 2 diabetes mellitus (T2DM) causes endothelial activation, resulting in the secretion of vWF. However, the role of vWF in patients with T2DM complicated with lung cancer remains unclear.

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To assess the prevalence, onset and delay in **diagnosis** of **T2DM** in **PC patients** in the primary care setting, Aggarwal et al. retrospectively reviewed the findings from **PC patients** for the onset of **T2DM**. Among 111 **PC patients**, 52 (47%) had **T2DM**, of which 30 (58%) had new-onset **T2DM** and were asymptomatic (no cancer-specific **symptoms**) at the time of ...

**Cited by:** 136

**Author:** Sukwinder Kaur, Michael J. Baine, Mane...

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The findings of the present study showed significantly increased expression of **miR-99b** in the serum of patients with **DKD** compared with patients with **type 2 diabetes mellitus** (T2DM) without **DKD** (the T2DM group) and the normal healthy controls (the **HC** group).

**Cited by:** 2

**Author:** Anita Regmi, Geng Liu, Xueyu Zhong, Sh...

**Publish Year:** 2019

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Feb 01, 2015 · CA199 is widely used in the **clinical screening** and **early diagnosis** of **PC**, and **metformin decreased CA199 levels** with a **time-effect relationship**, especially for the **female T2DM patients** shown by the present study.

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**Author:** Hiroaki Takaya, Tadashi Namisaki, Mit... **Publish Year:** 2019

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Von Willebrand factor (VWF) is a multimeric glycoprotein synthesized by endothelial cells and megakaryocytes/platelets that circulates in the plasma, and plays an essential role in primary hemostasis, medi-ating the adhesion of platelets to thrombogenic surfaces, and acting as a carrier protein for coagulation factor (F) VIII.1,2 In the develop-ment of **cancer metastasis**, tumor cells interact with ...

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VWF, von Willebrand factor; ADAMTS-13, a disintegrin and metalloproteinase with a thrombospondin