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Clinical laboratory investigation of a patient with extremely high D-dimer levels

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Abstract

BACKGROUND

D-dimer, a soluble degradation product of cross-linked fibrin, is commonly used as an important marker for the diagnosis of disseminated intravascular coagulation and differential diagnosis of thrombosis. Herein, we present a geriatric case with an unusually elevated D-dimer level.

Match Overview

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D-dimer as a potential clinical marker for predicting ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6201047>

Sep 14, 2018 · **D-dimer** levels >0.55 mg/l were considered to be elevated, since this was the upper limit of the 90% confidence interval for the average value determined in the healthy volunteers. The D-dimer levels in **tumor patients** can be affected following **surgery** (25,26), **chemotherapy** (27,28) and **adjuvant therapy** . Therefore, the data analyzed herein is the D-dimer expression level of all patients prior to ...

Author: Hong Dai, Hongxing Zhou, Yingxin Sun, Z... **Publish Year:** 2018

D-Dimer Test: MedlinePlus Medical Test

<https://medlineplus.gov/lab-tests/d-dimer-test> ▼

If your results show **higher** than normal **levels** of **D-dimer**, it may mean you have a **clotting disorder**. But it cannot show where the **clot** is located or what type of **clotting disorder** you have. Also, **high D-dimer** levels are not always caused by **clotting problems**.

DDITT - Clinical: D-Dimer, Plasma

<https://www.mayocliniclabs.com/test-catalog/Clinical+and+Interpretive/40936> ▼

Elevated D-dimer levels are found in association with disseminated intravascular coagulation (DIC), pulmonary embolism (PE), deep vein thrombosis (DVT), trauma, and bleeding. **D-dimer** may also be increased in association with pregnancy, liver disease, malignancy, inflammation, or a chronic hypercoagulable state.

[PDF] D-dimer levels on admission to predict in-hospital ...

<https://onlinelibrary.wiley.com/doi/epdf/10.1111/jth.14859>

off value of **D-dimer** to predict **in-hospital mortality** was 2.0 µg/mL with a sensitivity of 92.3% and a specificity of 83.3%. There were 67 **patients with D-dimer** ≥ 2.0 µg/ mL, and 267 **patients with D-dimer** < 2.0 µg/mL on admission. 13 deaths occurred during hospitalization. **Patients with D-dimer** levels ≥ 2.0 µg/mL had a higher inci-

Article: Never ignore extremely elevated D-dimer levels ...

www.njmonline.nl/article_ft.php?a=1790&d=1189&i=201 ▼

One study found **pulmonary embolism** in 35.3% of 34 **patients with a D-dimer** of 5000 to 20,000 µg/l and in



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[Clinical and pathological investigation of patients with ...](#)

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May 19, 2020 · Extensive studies have revealed that severe COVID-19 cases are more likely to present lymphopenia and hypoalbuminemia and **higher lactate dehydrogenase, C-reactive protein (CRP), ferritin**, and D-dimer (2, 3, 5).

Cited by: 1

Author: Shaohua Li, Lina Jiang, Xi Li, Fang Lin, Y...

Publish Year: 2020

[Thrombotic risk in COVID-19: a case series and case ...](#)

<https://www.rcpjournals.org/content/clinmedicine/20/4/e76> ▾

Jul 01, 2020 · **D-dimer** was elevated in both cases (confirmed VTE) and controls (no confirmed VTE) but **higher** levels were seen in confirmed **VTE cases** (4.1 vs 1.2 µg/mL, p<0.001). Conclusion Incidence of **VTE is high in patients hospitalised** with COVID-19. **Urgent clinical trials** are needed to evaluate the role of anticoagulation in COVID-19.

[D-dimer as an indicator of prognosis in SARS-CoV-2 ...](#)

<https://openres.ersjournals.com/content/6/2/00260-2020> ▾

Apr 01, 2020 · (799 COVID-19 **patients**, among whom the characteristics were analysed of 274 healed and 13 deceased) found markedly higher **D-dimer levels** in the deceased group during hospitalisation than in survivors (4.6 µg·mL⁻¹ versus 0.6 µg·mL⁻¹); in addition, 35% of deceased **patients** versus 2% of survivors had **D-dimer levels** >21 µg·mL⁻¹.

[\(PDF\) Laboratory abnormalities in patients with COVID-2019 ...](#)

https://www.researchgate.net/publication/339627510_Laboratory_abnormalities_in...

In a retrospective analysis of 41 **patients** with confirmed COVID-19 infection, prothrombin time (PT) and **d-dimer levels** on admission were significantly more **elevated** in ICU **patients** compared to non ...

[What Does an Elevated D-Dimer Test Mean and What Causes it ...](#)

<https://www.epainassist.com/test-and-procedures/...> ▾

Jan 10, 2019 · A **D-Dimer** Test is a form of a blood test which is done to identify any blood clots that may be forming in the vascular system of the body of an individual. A **D-Dimer** Test is **extremely** useful in