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*Observational Study*

Metabolic biomarkers and long-term blood pressure variability in military  
 young male adults

Lin YK *et al.* metabolic biomarkers and blood pressure variability

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### Association Between Long-term Blood Pressure Variability ...

<https://www.sciencedirect.com/science/article/abs/pii/S0272638608010020>

Background. **Blood pressure variability** (BPV) is one putative risk factor for cardiovascular disease and mortality in hemodialysis patients. The purposes of this **study** are to identify a suitable metric of long-term BPV in this population and determine whether an **association** between BPV and ...

Cited by: 69 Author: Steven M. Brunelli, Ravi I. Thadhani, Katheri...  
Publish Year: 2008

### Association of long-term blood pressure variability and ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4759569>

Calculation of long-term BPV. As there is a greater correlation between SBPV and target organ damage than between diastolic **blood pressure variability** and target organ damage 18,19, we analyzed the results using inter-annual SBPV values. Currently, the calculation of long-term BPV uses degree of variation of **blood pressure**.

Cited by: 6 Author: Yang Wang, Yuling Yang, Anxin Wang, Shas...  
Publish Year: 2016

### Association of Blood Pressure Patterns in Young Adulthood ...

<https://www.ncbi.nlm.nih.gov/pubmed/31968050>

Jan 22, 2020 · **Association of Blood Pressure Patterns in Young Adulthood With Cardiovascular Disease and Mortality in Middle Age.** ... events in later life may help to identify **young adults** who have an increased risk for CVD. ... To determine whether the long-term **variability** of BP across clinical visits and the rate of change in BP from **young** adulthood to ...

Cited by: 2 Author: Yuichiro Yano, Jared P. Reis, Cora E. Lewis, ...  
Publish Year: 2020

### Association Between Long-Term Blood Pressure Variability ...

<https://www.ahajournals.org/doi/10.1161/HYPERTENSIONAHA.116.08427>

This **study** is the first population-based cohort **study**, to our knowledge, (1) to show a temporal **association** between higher long-term systolic **blood pressure** (BP) **variability** and accelerated progression in arterial stiffness independent of mean BP and (2) to show variation in the **association** between systolic BP **variability** and progression in ...

Author: Yacob G. Tedla, Yuichiro Yano, Mercedes... Publish Year: 2017

### Long-Term Blood Pressure Level and Variability From ...

<https://www.ahajournals.org/doi/10.1161/JAHA.118.009578>

**Long-Term Blood Pressure Level and Variability** From Midlife to Later Life and Subsequent Cognitive Change: The ARIC Neurocognitive **Study** ... **Association** of visit-to-visit **variability** in **blood pressure** with cognitive function in old age: ... the Coronary Artery Risk Development in **Young Adults** (CARDIA) **study**...

Cited by: 2 Author: Yuichiro Yano, Michael Griswold, Wanmei ...  
Publish Year: 2018

### Long-term blood pressure variation and risk of dementia ...

<https://www.sciencedaily.com/releases/2019/11/191113095243.htm>

Nov 13, 2019 · Aug. 7, 2017 — A large, long-term **study** suggests that middle aged Americans who have vascular health risk factors, including diabetes, high **blood pressure** and smoking, have a ...

### THE CHIEF STUDY IN HUALIEN | Gen-Min Lin | 2 updates | 1 ...

<https://www.researchgate.net/project/The-CHIEF-study-in-Hualien>

We investigated the **association** between total **leukocyte count** and **physical fitness** in a **military cohort** of 3,453 healthy young Taiwanese males aged 20–50 years in a **cross-sectional study** in 2014.

### Blood Pressure Variability and Long-Term Mortality in ...

<https://www.thecardiologistadvisor.com/home/topics/...>

Dec 13, 2019 · **Blood Pressure Variability** and Long-Term Mortality in Elderly Patients Treated for Hypertension ... on behalf of the Second Australian National **Blood Pressure Study** Group. Change in **blood pressure variability** among treated elderly hypertensive patients and its **association** with mortality.

### Blood pressure variability and cardiovascular disease ...

<https://www.bmj.com/content/354/bmj.i4098>

Aug 09, 2016 · **Study** selection. We searched Medline, Embase, Cinahl, and Web of Science to 15 February 2016 for full text articles in English describing trials and prospective cohort studies in **adults** that assessed the **association** of periods of **variability** in **blood pressure** with cardiovascular outcomes (see supplementary table e1).

Cited by: 199 Author: Sarah L Stevens, Sally Wood, Constantinos ...  
Publish Year: 2016

### Biomarkers of Obesity and Subsequent Cardiovascular Events

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4682894>

Since the focus of this review is on nontraditional biomarkers in **obesity**, the following biomarkers were excluded: **total cholesterol**, **fasting blood glucose**, **blood pressure**, **high density lipoprotein cholesterol**, **triglycerides**, and **smoking**.

Cited by: 102 Author: Salma Musaad, Erin N. Haynes  
Publish Year: 2007



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Physical Fitness and Long-Term Blood Pressure Variability of Young Male Military Personnel ... with long-term blood pressure variability (BPV) in young male adults. ... in 4388 military male ...

[Physical Fitness and Long-Term Blood Pressure Variability ...](#)

[www.eurekaselect.com/176062/article](http://www.eurekaselect.com/176062/article) ▾

Aim: To investigate the association of physical fitness with long-term blood pressure variability (BPV) in young male adults. Methods: We included 1,112 healthy military males, ages 18-40 years (mean age, 32 years) in Taiwan for the current analysis.

Author: Gen-Min Lin, Kun-Zhe Tsai, Chin-She...

Publish Year: 2019

[Effects of Four-Week Supplementation with a Multi-Vitamin ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4663579>

Oct 30, 2015 · The present study aimed to explore the effects of four weeks of MVM supplementation on mood and blood markers in healthy young adults (aged <40 years). The analysis of blood biochemical markers showed that active MVM treatment was associated with lowered homocysteine, in addition to



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### [Physical Fitness and Long-Term Blood Pressure Variability ...](#)

<https://www.researchgate.net/publication/337123631...>

Aim To investigate the association of physical fitness with **long-term blood pressure variability** (BPV) in **young male adults**. Methods We included 1,112 healthy **military** males, ages 18-40 years ...

### [Physical Fitness and Long-Term Blood Pressure Variability ...](#)

[www.eurekaselect.com/176062/article](http://www.eurekaselect.com/176062/article)

Aim: To investigate the association of physical fitness with long-term blood pressure variability (BPV) in young male adults. Methods: We included **1,112 healthy military males, ages 18-40 years** (mean age, **32 years**) in Taiwan for the current analysis.

**Author:** Gen-Min Lin, Kun-Zhe Tsai, Chin-She... **Publish Year:** 2019

### [The impact of long-term changes in metabolic status on ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4573488>

To our knowledge this is the first research on the relationship between **long-term changes of metabolic status, novel CVD biomarkers and microvascular endothelial function** in the **cohort of men** tracked prospectively for about 25 years.

**Cited by:** 10 **Author:** Magdalena Kwaśniewska, Joanna Kozińska...

**Publish Year:** 2015

### [Effects of Four-Week Supplementation with a Multi-Vitamin ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4663579>

Oct 30, 2015 · The present study aimed to explore the effects of four weeks of MVM supplementation on mood and **blood** markers in healthy **young adults** (aged <40 years). The analysis of **blood** biochemical markers showed that active MVM treatment was associated with lowered homocysteine, in addition to increased vitamins B6 and B12, with a non-significant increase ...

**Cited by:** 22 **Author:** David J. White, Katherine H. M. Cox, Ric...

**Publish Year:** 2015

### [Effect of chronic exercise in healthy young male adults: a ...](#)