B”SD

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**4/1/25**

**ABSI and Metabolic Syndrome and MS Components**

**ABSI references:**[**https://drjessekrakauer.com/absi.html**](https://drjessekrakauer.com/absi.html)

**https://en.wikipedia.org/wiki/Body\_shape\_index**

**ABSI = WC weight-2/3height5/6 = WC/(BMI2/3height1/2)**

**Krakauer NY, Krakauer JC. Anthropometrics, Metabolic Syndrome, and Mortality Hazard (2018). Journal of Obesity. 2018;2018:9241904. doi:10.1155/2018/9241904.**

**Annotation:For NHANES data, ARI was found to be positively correlated with each component of MS, suggesting connections between the two entities as measures of cardio-metabolic risk. ARI and MS were both significant predictors of mortality hazard. Although the association of ARI with mortality hazard was stronger than that of MS, a combined model with both ARI and MS score as predictors improved predictive ability over either construct in isolation.**

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**Lucas C Welch,  William Horn,  Sridevi Krishnan,  Kathleen Kishimura,  Excel Que, Evelyn Holguin,  and Nancy L Keim (2016) The Value of Anthropometric Indices for Identifying Women with Features of Metabolic Syndrome. The FASEB Journal 30 (1) Supplementlb258**

**Tian T, Zhang J, Zhu Q, Xie W, Wang Y, Dai Y. Predicting value of five anthropometric measures in metabolic syndrome among Jiangsu Province, China. BMC Public Health. 2020 Aug 31;20(1):1317. doi: 10.1186/s12889-020-09423-9. PMID: 32867710; PMCID: PMC7457352\***

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**Sugiura T, Dohi Y, Takagi Y, Yokochi T, Yoshikane N, Suzuki K, Tomiishi T, Nagami T, Iwase M, Takase H, Seo Y, Ohte N. A body shape index could serve to identify individuals with metabolic syndrome and increased arterial stiffness in the middle-aged population. Clin Nutr ESPEN. 2021 Dec;46:251-258. doi: 10.1016/j.clnesp.2021.10.001. Epub 2021 Oct 8. PMID: 34857205.**

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Utility of Anthropometric Indexes for Detecting Metabolic Syndrome in Resource-Limited Regions of Northwestern China: Cross-Sectional Study  
JMIR Public Health Surveill 2024;10:e57799 ABSI did not predict in China**

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**\* Negative Studies – none with ARI(BMI, ABSI), do not give corr(ABSI,BMI)**

**MS Components and ABSI Complications**

**Abdominal Obesity**

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**Multiple Components**

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**Obesity-and lipid-related indices as a predictor of hypertension in Mid-aged and Elderly Chinese: A Cross-sectional Study**

**DOI: https://doi.org/10.21203/rs.3.rs-2708175/v1**

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