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*Source / Izvornik:* **Medicina, 2024, 60**

**Journal article, Published version**

**Rad u časopisu, Objavljena verzija rada (izdavačev PDF)**

<https://doi.org/10.3390/medicina60071158>

*Permanent link / Trajna poveznica:* <https://urn.nsk.hr/urn:nbn:hr:184:678966>

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*Download date / Datum preuzimanja:* **2024-09-01**



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Reply

# Reply to Saleh, C. Comment on “Bažadona et al. The Interconnection between Carotid Intima–Media Thickness and Obesity: Anthropometric, Clinical and Biochemical Correlations. *Medicina* 2023, 59, 1512”

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We would like to begin by expressing our gratitude for the interest shown in our research [1,2].

We agree that a composite carotid intima–media thickness (CIMT) measurement that includes the common carotid artery (CCA), the carotid bifurcation and internal carotid artery (ICA) could provide more accurate measurement, but this type of measurement was not conducted for several reasons. First, as already mentioned, there is no universally accepted standardized measurement protocol and most studies were performed using only CCA IMT [3]. CCA IMT is a well-known marker of atherosclerosis and its association with cardiovascular and cerebrovascular events has been proven repeatedly [4–6]. The measurement of CCA IMT is easier to obtain and is highly reliable with less variability in measurements [6,7].

To conclude, although we agree our study protocol has its limitations, we believe that it provided more feasible patient examination and more comparable results.

**Conflicts of Interest:** The authors declare no conflict of interest.



**Citation:** Bažadona, D.; Matovinović, M.; Krbot Skorić, M.; Grbavac, H.; Belančić, A.; Malojčić, B. Reply to Saleh, C. Comment on “Bažadona et al. The Interconnection between Carotid Intima–Media Thickness and Obesity: Anthropometric, Clinical and Biochemical Correlations. *Medicina* 2023, 59, 1512”. *Medicina* **2024**, *60*, 1158. <https://doi.org/10.3390/medicina60071158>

Received: 28 May 2024

Accepted: 15 July 2024

Published: 18 July 2024



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## References

1. Bažadona, D.; Matovinović, M.; Krbot Skorić, M.; Grbavac, H.; Belančić, A.; Malojčić, B. The Interconnection between Carotid Intima–Media Thickness and Obesity: Anthropometric, Clinical and Biochemical Correlations. *Medicina* **2023**, *59*, 1512. [[CrossRef](#)] [[PubMed](#)]
2. Saleh, C. Comment on Bažadona et al. The Interconnection between Carotid Intima–Media Thickness and Obesity: Anthropometric, Clinical and Biochemical Correlations. *Medicina* **2023**, *59*, 1512. *Medicina* **2024**, *60*, 981. [[CrossRef](#)]
3. Ling, Y.; Wan, Y.; Barinas-Mitchell, E.; Fujiyoshi, A.; Cui, H.; Maimaiti, A.; Xu, R.; Li, J.; Suo, C.; Zaid, M. Varying Definitions of Carotid Intima-Media Thickness and Future Cardiovascular Disease: A Systematic Review and Meta-Analysis. *J. Am. Heart Assoc.* **2023**, *12*, e031217. [[CrossRef](#)] [[PubMed](#)]
4. Simons, P.C.; Algra, A.; Bots, M.L.; Grobbee, D.E.; van der Graaf, Y. Common carotid intima-media thickness and arterial stiffness: Indicators of cardiovascular risk in high-risk patients the SMART study (Second Manifestations of ARterial Disease). *Circulation* **1999**, *100*, 951–957. [[CrossRef](#)] [[PubMed](#)]
5. Bots, M.L.; Hoes, A.W.; Koudstaal, P.J.; Hofman, A.; Grobbee, D.E. Common carotid intima-media thickness and risk of stroke and myocardial infarction: The Rotterdam Study. *Circulation* **1997**, *96*, 1432–1437. [[CrossRef](#)] [[PubMed](#)]
6. Frauchiger, B.; Schmid, H.P.; Roedel, C.; Moosmann, P.; Staub, D. Comparison of carotid arterial resistive indices with intima-media thickness as sonographic markers of atherosclerosis. *Stroke* **2001**, *32*, 836–841. [[CrossRef](#)] [[PubMed](#)]
7. O’Leary, D.H.; Polak, J.F.; Wolfson, S.K., Jr.; Bond, M.G.; Bommer, W.; Sheth, S.; Psaty, B.M.; Sharrett, A.R.; Manolio, T.A. Use of sonography to evaluate carotid atherosclerosis in the elderly: The cardiovascular health study. *Stroke* **1991**, *22*, 1155–1163. [[CrossRef](#)] [[PubMed](#)]

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