

## Effect of nebivolol and metoprolol treatments on serum asymmetric dimethylarginine levels in hypertensive patients with type 2 diabetes mellitus

*Tip 2 diyabetes mellituslu hastalarda nebivolol ve metoprolol tedavilerinin serum asimetrik dimetilarginin düzeyleri üzerine etkisi*

Dear Editor,

My thoughts relate to the article entitled "Effect of nebivolol and metoprolol treatments on serum asymmetric dimethylarginine levels in hypertensive patients with type 2 diabetes mellitus" and belongs to Oguz et al. (1). There are some points that should be attentively dwelt upon an original article's purpose oriented groups.

The statistically undifferentiated groups of metoprolol and nebivolol-treated as the percentages of oral antidiabetic drug users, diet-limited oral antidiabetic drug users and only diet-limited patients, subsidized the exclusion of the probable effects of diet on ADMA levels. In this way, that study, emphasized the importance of groups' assembly and selectivity. According to Fard et al (2), diet has an important effect on ADMA levels. In consequences, it is pleasure to see added statistical data according to the criticism on the present study.

Furthermore, to contribute to the next studies, it may be important to determine the correlation between the biochemical parameters (especially glucose and triglyceride) and ADMA levels in both treated groups and this determination may provide assistance to interpret the effects of ADMA levels on these patients in details.

The authors emphasized the neutral effects of nebivolol on ADMA levels. The word of "Neutral" is a chemical term. It clearly means that neither acid nor alkaline. According to my thoughts, the word "neutral" is used in wrong meaning in this study so; it is not the declaration of the article's real thought. Seen from this aspect, nebivolol has no effect on ADMA levels. It may be meaningful to use "no effect" instead of "neutral". That is why; scientific terms should be used attentively as in their meanings.

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### References

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### Authors Reply

Dear Editor,

Many thanks for the evaluation and suggestions concerning our clinical study entitled "Effect of nebivolol and metoprolol treatments on

serum asymmetric dimethylarginine levels in hypertensive patients with type 2 diabetes mellitus" (1) published in *Anadolu Kardiyoloji Dergisi* in December 2007.

The term "neutral effect" is commonly used in literature while mentioning metabolic effects of drugs (2-3). For example, it is known that calcium channel blockers have neutral effect on serum lipid levels and insulin resistance (4). In our study the statement that the effect of nebivolol, a beta-blocker agent, on serum asymmetric dimethylarginine (ADMA) levels, which is a metabolic parameter, is neutral, has been used to stress that nebivolol treatment does not lead to any increase or decrease in serum ADMA levels.

It has been reported that there is an association between serum ADMA levels and biochemical parameters such as hyperglycemia and high triglyceride levels (5, 6). However we agree that there is need for more comprehensive researches evaluating the effects of these parameters on serum ADMA levels.

Kind regards,

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## Preanalytical factors for non-HDL cholesterol measurements/ Serum lipid profiles including non-high density lipoprotein cholesterol levels in Turkish school-children

*Non-HDL kolesterol ölçümlerinde preanalitik faktörler/ Türk okul çocuklarında serum lipid profili ve non-HDL kolesterol düzeyleri*

Dear Editor,

I have read the paper entitled "Serum Lipid Profiles Including non-High Density Lipoprotein Cholesterol Levels in Turkish