

Andreas Wienke

**Letter to the editor regarding
the paper “Agreement of central
venous saturation and mixed
venous saturation in cardiac
surgery patients by Sander M,
Spies CD, Foer A, Weymann L,
Braun J, Volk T, Grubitzsch H,
von Heymann C (2007)
Intensive Care Medicine
33:1719–1725”**

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Dear Sir,

With great interest I read the recent publication of Sander et al. [1] on “Agreement of central venous saturation and mixed venous saturation in cardiac surgery patients”. I would like to congratulate Sander and colleagues for their very exciting and clearly written paper. However, I would like to point out an error regarding the calculated correlation coefficients between $S_{cv}O_2$ and

$S_{cv}O_2$. The authors use R^2 as correlation coefficient several times in their paper, which is incorrect. R^2 is not the correlation coefficient; it is the coefficient of determination. The correlation coefficient R is the square root of the coefficient of determination. Consequently, for the readers of the paper by Sander et al. it is necessary to take this transformation into account.

Reference

1. Sander M, Spies CD, Foer A, Weymann L, Braun J, Volk T, Grubitzsch H, von Heymann C (2007) Agreement of central venous saturation and mixed venous saturation in cardiac surgery patients. *Intensive Care Med* 33:1719–1725

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