

LETTERS TO THE EDITOR

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European Association of Echocardiography recommendations for assessment of valvular regurgitation: a correction

The new recommendations of the European Association of Echocardiography for the assessment of mitral and tricuspid regurgitation are timely and useful.¹ We would like to correct a minor mistake in *Figure 13*, part 3C, which illustrates estimation of the posterolateral mitral valve angle in systole, a parameter of local remodelling in functional mitral regurgitation. This angle in the apical four-chamber view is formed by the posterior mitral leaflet and a line connecting the insertion of both mitral leaflets. The image contains a misstated formula $PLA = \sin^{-1}(CD/PLL)$ for calculating the posterolateral angle (PLL, in degrees) from the sides CD and PLL of a right triangle by looking up the arcsine of their ratio. This formula correctly should read:

$PLA = \arcsin(CD/PLL)$ or, alternatively, $PLA = \sin^{-1}(CD/PLL)$.

Reference

1. Lancellotti P, Moura L, Pierard LA, Agricola E, Popescu BA, Tribouilloy C et al., European

Association of Echocardiography. European Association of Echocardiography recommendations for the assessment of valvular regurgitation. Part 2: Mitral and tricuspid regurgitation (native valve disease). *Eur J Echocardiogr* 2010;**11**:307–32.

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European Association of Echocardiography recommendations for assessment of valvular regurgitation: a correction: reply

I thank Frank A. Flachskampf and Lutz Klinghammer for their useful comments.

As mentioned, there is a minor mistake in *Figure 13*, part 3C, of the recommendations of the European Association of Echocardiography for the assessment of mitral and tricuspid regurgitation.¹ Indeed, the correct formula to calculate the posterolateral angle (PLA) is the following: $PLA = \sin^{-1}(CD/PLL)$ where CD is the coaptation distance and PLL is the posterior leaflet length. PLL is then not expressed in degrees but either in centimetres or millimetres as for CD.

Reference

1. Lancellotti P, Moura L, Pierard LA, Agricola E, Popescu BA, Tribouilloy C et al., European Association of Echocardiography. European Association of Echocardiography recommendations for the assessment of valvular regurgitation. Part 2: Mitral and tricuspid regurgitation (native valve disease). *Eur J Echocardiogr* 2010;**11**:307–32.

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