Author’s response to reviews

Title: CMR stress testing in a patient with morbid obesity (BMI 58 kg/m²) and suspected coronary artery disease

Authors:

Lukas Stoiber (stoiber@dhzb.de)
Bernhard Schnackenburg (schnackenburg@dhzb.de)
Rolf Gebker (gebker@dhzb.de)
Burkert Pieske (pieske@dhzb.de)
Sebastian Kelle (kelle@dhzb.de)

Version: 1 Date: 01 Nov 2017

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Answers to Reviewer #1

We are very thankful to the reviewer for the important comments. Regarding the two comments, we have the following amendments:

Reviewer 1 kindly asked to please provide an additional case example in a non-obese individual for comparison with the current one. We now provide image examples of an obese as well as of a non-obese patient.

The second question was concerning the surface coils. The following text in the manuscript has been added in order to clarify:

“We performed a stress-CMR on a Philips Ingenia 3.0 Tesla Scanner with a 70 cm wide bore system using phased array receive coils (16 elements anterior, 12 elements posterior) which allowed examination despite the body dimensions of the patient (Figure 1A).”
Answers to Reviewer #2

Reviewer 2 suggested to add some discussion about other noninvasive methodology used to evaluate the presence of cardiovascular impairment (not only CAD) in severe obesity

We are very thankful to the reviewer for the important comments. As we are seeking to improve our manuscript following text has been added to improve the manuscript:

“In nuclear medicine, some stress/rest perfusion protocols provide high image quality.4 However, limitations for tracer uptakes in obese patients undergoing 123I-metaiodobenzylguanidine (MIBG)-scintigraphy, widely used for risk stratification in heart failure, have been reported.”