



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Asian Journal of Research in Medical and Pharmaceutical Sciences
Manuscript Number:	Ms_AJRIMPS_50418
Title of the Manuscript:	Amitriptyline induced alterations in liver and kidney functions and structures in male rats
Type of Article:	

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
<p>The authors misunderstood my comment about creatine, and the final paragraph is not corrected. Creatine is the metabolite formed in the liver, and creatinine the excretion product released to blood and excreted in the urine. The biochemical assay is for creatinine. To be clear avoiding confusion: This is the current paragraph</p> <p>“Creatinine is primarily synthesized in the liver from the methylation of glycoamine (guanidino acetate, synthesized in the kidney from the amino acids arginine, glycine, and methionine) by S-Adenosyl-L-Methionine [32,33]. It is then transported through blood to the other organs, muscle, and brain where, through phosphorylation, it becomes the high energy compound phosphocreatine. Enzyme evaluation of changes in the activity of lysosomal enzymes in rat kidneys could be useful indicator of kidney damage as well as kidney failure [35-37]. Hence a biochemical assay of creatine was carried out to ascertain the effects of Amitriptyline on kidney.</p> <p>It should says:</p> <p>Creatine is primarily synthesized in the liver from the methylation of glycoamine (guanidino acetate, synthesized in the kidney from the amino acids arginine, glycine, and methionine) by S-Adenosyl-L-Methionine [32,33]. It is then transported through blood to the other organs, muscle, and brain where, through phosphorylation, it becomes the high energy compound phosphocreatine. Enzyme evaluation of changes in the activity of lysosomal enzymes in rat kidneys could be useful indicator of kidney damage as well as kidney failure [35-37]. Hence a biochemical assay of creatinine was carried out to ascertain the effects of Amitriptyline on kidney.</p>	

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