PART 1:

<table>
<thead>
<tr>
<th>Journal Name:</th>
<th>British Journal of Medicine and Medical Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manuscript Number:</td>
<td>MS: 2012/BJMMR/2174</td>
</tr>
<tr>
<td>Title of the Manuscript:</td>
<td>Differential Vascular Responses of Aorta to Potassium Ion Channel Opener, Citrus Flavonoid Naringenin in Type 1 and Type 2 Diabetes Mellitus in Rats</td>
</tr>
</tbody>
</table>

PART 2:

<table>
<thead>
<tr>
<th>FINAL EVALUATOR'S comments on revised paper (if any)</th>
<th>Authors' response to final evaluator's comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>The paper can be accepted, provided the following changes (highlighted in yellow) are made.</td>
<td>The word “were” has been replaced with “was” in abstract. The sentence has also been deleted.</td>
</tr>
</tbody>
</table>

ABSTRACT

"...naringenin was studied..."

... Relaxation responses to acetylcholine, levcromakalim and naringenin were significantly (P<0.05) attenuated in STZ diabetic aorta when compared with GK rats. Maximal relaxation and potency of aorta...

...not altered adversely in the early...

1. INTRODUCTION

"...In DM studies, several animal .... (GK) rats is a widely accepted, non-obese and normotensive model of Type 2 DM that has elevated..."

...responses to adrenergic agonists and normal .... Schulingkamp et al., 2005), another study has shown decreased aortic responses to the same agent in GK-diabetic animals (Kobayashi..."

2. MATERIAL AND METHODS

"...0.1% of DMSO. The latter had ... are the final bath concentration in the bath-solution..."

2.2 Experimental Animals

"... University College London (UK) for the study. The... ..... room temperature controlled at 19-21°C .... Animals of the University (which?) and conformed to the UK Animal Scientific Procedures Act of 1986 (is there one newer?)."

2.4 Aortic Rings Preparation

"... (mmol/L): NaCl, 112; KCl 5; CaCl2 1.8; MgCl2 1; NaHCO3 25; KH2PO4 0.5; NaH2PO4 0.5; glucose 10; pH 7.4.

...movable device. Rings were equilibrated for ..... equilibration period, the rings were challenged with 10⁻⁷ Mol. Phenylephrine (PE) and the aorta was relaxed with 10⁻⁶ Mol..."
The suggested correction has been effected. This is shown in lines 93, 94, 97-99.

The correction under this section has been effected as shown in lines 102, 104 and 106.

The corrections have been effected in lines 124 and 125.

The statistical symbols have been included in the GK column of Table 2 as suggested.

The correction was effected in line 172.

The corrections have been effected in line 190 and 211.

This sentence has been deleted since the function of BKca channel activity in Type 2 DM has already been stated in the preceding sentence.

The word "extremely" has been deleted as indicated in line 235.

The word openers has been inserted in line 256.
There are still many typographical errors in the Reference list.

**Throughout the text and Figures**
- The “(±)” of naringenin is still missing.
- Replace “potassium ion channel” with “potassium channel” and “calcium ion channel” with “calcium channel”.
- Replace “KATP” with “K<sub>ATP</sub>”.
- Replace “streptozocin” with “STZ”.
- Replace “diabetes mellitus” with “DM”.
- Replace “type” with “Type”.
- Replace “AD Instruments” with “ADInstruments”.
- Replace “-Log EC<sub>50</sub> or IC<sub>50</sub>” with “pEC<sub>50</sub> and pIC<sub>50</sub>”.
- Replace “Fig.1” and “Fig 1” with “Fig. 1”.
- Replace “respective control” with “corresponding control”.
- Replace “wistar” with “Wistar”.
- Replace “phenylephrine” with “PE”.

The typographical errors in the reference list have been corrected and references have been formatted with number reference to conform with the journal style.

These corrections have been effected throughout the text and figures.