Editorial comments:

In brief summary: The topic is relatively an old one and I agree with peer reviewers that most of cited literature, especially with regard to basic science is old. The paper also could benefit from some internal reformatting to reduce some of the redundancies taken place during the writing process.

The Abstract needs probably some re-writing most a potential suggested revision below (advisory opinion only):

"Obesity has been associated with a multitude of co-morbid conditions, most importantly with diabetes mellitus and cardiovascular diseases. Diet is one of the major key factors of a successful weight management schemes to ensure a healthy weight. High protein, low carbohydrate and low fat diets are reported to be effective for weight management and gained particular popularity in the recent past. As a result, most individuals have shifted to high protein diet in an attempt to lose weight or maintain a healthy weight or body composition. On the other hand, high dietary protein is well known to increase renal blood flow and glomerular filtration rate and may potentially increase the future risk of renal disease due to increased glomerular pressure and hyperfiltrationinjury. The mechanism by which protein diet acts on the kidney is not well known; however, multiple potential mechanisms have been postulated. This review discusses the possible mechanisms through which dietary protein intake may influence renal function parameters"

Major comments:

Page 4, : discussion of the literature seem to suggest, that dietary protein increases RPF and GFR via a central intermediary link. While the specific of such not known, appears to involve via D2 receptor.

-page 6, staring w/ lines 191 – would not this part belong to the beginning of the discussion on the subject, to give some broad outline, before discussing know specific modulators, e.g, dopamine and nitric monoxide?

Re: page 8, the part discussing prostaglandins and dietary proteins: would not be appropriate to move here and incorporate the part about COX-2 inhibitors earlier (lines 172-189)

Specific/minor: issues:

-lines 71-72 (of the paper): sentence very confusing, please rephrase

-line: "DOPA" – please, explain abbreviation first, before using it.

-line 125-125 confusing: "…in both GFR and RPF but amino acid infusion in the presence of S-SP completely prevented the rise in both GFR and RPF." – Do the Author turned around the logic here? (rather than saying: ..the presence of S-SP completely prevented the amino acid infusion-induced rise of RPF and GFR…")

-line 202: part "What however remain unclear is; if the effect of protein on' not well written; rephrase: "What remain unclear, whether the effect of protein on…"

-Line 209: the word "Inhibition" – change to "inhibition" (small caps)

-line 226: “Growth hormone” change to “growth…”

-line 255: on CA170595 – state manufacturer/location of the product

Author’s feedback:

Thank you for your kind comments.

Your suggestions have been incorporated, and highlighted with yellow colour.

The abstract you suggested has also been adopted.

The typographical errors have been corrected and highlighted with yellow.