Author's response to reviews

Title: The nature of fibrous dysplasia.

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Version: 2 Date: 8 September 2009

Author's response to reviews: see over
The Editors
Head and Face Medicine

Dear Editor

RE: MS: 3766301402736781 ‘The nature of fibrous dysplasia’

We want to thank you and the reviewers for reviewing our manuscript, and for the really valuable suggestions.

Both Dr Abdelkarim and Dr Rao recommended expanding the information regarding the radiological patterns of CFD. We have done that: page 7, first paragraph.

Dr Abdelkarim also suggested mentioning the term craniofacial polyostotic FD in the first paragraph of the manuscript under ‘Introduction’. We have considered it but we decided to leave the format of the introduction as it is, as we adequately discuss craniofacial FD in the penultimate and final paragraphs of the Introduction.

We have acted upon Dr Rao’s other recommendations:

Major Compulsory Revisions

1. Page 6: we revised the first and second paragraphs, and we believe that the expression of the ideas is now clear and meaningful.
2. Page 7: first paragraph, we introduced the classical descriptions of the radiological patterns of CFD.
Minor Essential Revisions

1. Page 2: the second sentence under the heading ‘Abstract’ is split into two and now reads: ‘It has now become evident that fibrous dysplasia is a genetic disease caused by somatic activating mutation of the Gsα subunit of G protein-coupled receptor resulting in upregulation of cAMP. This leads to defects in differentiation of osteoblasts with subsequent production of abnormal bone in an abundant fibrous stroma’.

2. Page 3: the second sentence is modified as suggested and now reads: ‘JLS is characterized by polyostotic FD and café au lait pigmented skin lesions, while MAS has the additional features of hyperfunctional endocrinopathies manifesting as precocious puberty, hyperthyroidism or acromegaly’.

3. Page 4: second paragraph, first sentence is changed as recommended to read: ‘The systemic manifestations of the mutated Gsα protein-coupled receptor complex include…..’.

4. Page 4: fourth paragraph, spelling mistake was corrected: ‘Pregastrulation’

5. Page 6: first paragraph, spelling mistake was corrected: ‘Embryologically’

6. Page 7: last paragraph, first three sentences, were modified and now read ‘There is no cure for FD, and the existing guidelines for treatment are not universally accepted. Spontaneous resolution of FD does not occur [17]. Fibrous dysplastic lesions that are not symptomatic, that do not progress, and that do not cause deformities or functional impairment should simply be monitored [8].’

7. Page 7: fourth sentence is modified and now reads: ‘However after surgical reduction of fibrous dysplastic lesions, particularly in younger subjects and when the lesions are more immature, is high (50%) [8,9]…’

8. The legend of figure 5 is corrected and now reads: ‘…… Note the absence of osteoblastic rimming …..’

9. The punctuation throughout the text were revised.

Discretionary Revision

1. We checked the bibliography again and the references and we are confident are correctly quoted.

Yours Sincerely

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