

Format for ANSWERING REVIEWERS

June 30 2014

Dear Editor,



Please find enclosed the edited manuscript in Word format (file name: 11338-edited.doc).

Title: Skeletal Dysplasias: A radiographic approach and review of common non-lethal skeletal dysplasias

Authors: Ananya Panda, Shivanand Gamanagatti, Manisha Jana, Arun Kumar Gupta

Name of Journal: *World Journal of Radiology*

ESPS Manuscript NO: 11338

The manuscript has been improved according to the suggestions of reviewers:

1 Format has been updated

2 Revision has been made according to the suggestions of the reviewers:

- (1) **Reviewer 1:** (i) OMIM numbers have been added to each disorder. In addition, a brief description of OMIM database has been added for readers unfamiliar with this concept. While we have enumerated OMIM numbers of these conditions, many dysplasias are genetically heterogeneous and have multiple OMIM numbers assigned to the same radiographic entity. This limitation of OMIM has also been clarified. Wherever multiple OMIM numbers exist, we have mentioned the OMIM of most common subtype (ii) The word thanatophoric “dwarfism” has been replaced by thanatophoric dysplasia (iii) Yes, hypochondroplasia can also be caused by non-FGFR3 mutations and this has been suitably added to the text. We thank the reviewer for bringing this to our attention
- (2) **Reviewer 2:** (i) A concise abstract has been added to the article (ii) We have reorganized the article and have provided a table of contents in the beginning. We hope it appears more logical now (iii) We have retained Table 1 in its present form as Table 1 enumerates the list of radiographs needed to evaluate a suspected case of dysplasia and does not have any thing in common with Table 2.. Also R3 wanted us to keep Table 2 separate and also add a Table 3 for appendicular skeleton similar to

Table 2 made for axial skeleton. (iv) References have been significantly increased in number (88) and include relevant Pubmed indexed articles published in 2013 and 2014. We agree that most references were published in last century-this is chiefly because original radiographic descriptions of these dysplasias were published then and have remained constant over the years while considerable advances have been made in molecular and genetic basis of these dysplasias.

- (3) **Reviewer 3:** (i) We have suitably modified text to ensure uniformity of disease names in text, tables and charts. (ii) The footnotes for charts have been removed. Metatropic dysplasia has been elaborated in text as a differential for SEDC. Diastrophic dysplasia has been removed altogether from the review. Craniotubular dysplasia has also been elaborated in text as a differential for osteopetrosis. (iii) The table of contents has been incorporated. We thank the reviewer for this excellent suggestion and for sending us an example of the table. We have slightly modified that table and added in article. Also the same numbering for headings and sub-headings in the table has been incorporated into main text to make article more logical. (iv) The molecular and genetic basis for all dysplasias have been clearly enumerated separately in every dysplasia along with the OMIM number before description of radiographic feature in contrast to the earlier scattered comments. However we did not include a table summarizing all genetic mutations separately once again as this table would be too complex and beyond the purview of the article. The chief objective of the article is to describe the radiographic approach and radiographic features of dysplasias. More excellent description and tabulation of molecular and genetic basis of dysplasias are available on "*Warman ML, Cormier-Daire V, Hall C, Krakow D, Lachman R, LeMerrer M, Mortier G, Mundlos S, Nishimura G, Rimoin DL, Robertson S, Savarirayan R, Silience D, Spranger J, Unger S, Zabel B, Superti-Furga. Nosology and classification of genetic skeletal disorders: 2010. Am J Med Genet 2011; 155:943–968. [PMID: 21438135 DOI: 10.1002/ajmg.a.33909]*" which is cited as reference 2 in our article. (v) The numbering of the figures has been checked and the errors have been rectified. We apologise for the mix-up (vi) Other minor

revisions such as grammatical errors, spelling out of abbreviations such as USG, AP and PA and presenting appendicular skeleton as Table 3 have also been made. We thank the reviewers for their helpful comments and excellent suggestions

All changes made in the document have been highlighted in red.

3 References and typesetting were corrected

4 Also Chart 1 and 2 have been removed and replaced with Figures 16 and 17 containing decomposable elements made on PPP

Thank you again for publishing our manuscript in the *World Journal of Radiology*

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Shivanand Gamanagatti', with a stylized flourish at the end.

Dr Shivanand Gamanagatti, MD, DNB.
Additional Professor,
Room no 81-B, Department of Radiodiagnosis
All India Institute of Medical Sciences,
Ansari Nagar, New Delhi
India- 110029
Phone: +91-9868658057
Email: shiv223@gmail.com

