



PEER-REVIEW REPORT

Name of journal: World Journal of Radiology

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Title: Cone beam computed tomographic evaluation of pharyngeal airway in North Indian children with different skeletal patterns

Reviewer's code: 03699990

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Chief Doctor, Professor

Reviewer's Country/Territory: China

Author's Country/Territory: India

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Reviewer chosen by: Lian-Sheng Ma

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Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

Individual variations in airway morphology are commonly found due to inheritance and functional disorders. Pharyngeal size plays an important role in speech and respiratory function. Several methods have been proposed in order to assess the airway, including cephalometry, rhinoendoscopy, and tomography. Cone beam computed tomography (CBCT) can reproduce different sections of the body in multiplanar images (axial, sagittal, and coronal), and assess all the structures in layers with adequate definition. The present study was undertaken to compare the airway volumes with different ANB angles and study the correlations among different cephalometric variables and the airway morphology in 120 healthy North Indian children, which was a large sample size study. The scan parameters need to be supplemented completely, including mA, kVp, focal spot, and a voxel size, etc. Observed variables: Delimitation and measurement, anatomic landmarks of observed variables (Table 2 and 4, Figures 3 and 4) need to be stated in detail and marked in the figures so that other researchers can use them if they are interested. How is observed variables measured: software automatic measurement or observer manual measurement? Tables in the present study need to be standardized and simplified. Abbreviations need to be standardized (Full text, abbreviation), such as abbreviations (PFH/AFH, FMA, ANB, etc) of two-dimensional cephalometric variables in table2 and table3. There are some stylish and grammar that needs improvement. The authors are encouraged to rewrite the manuscript incorporating those details.