

**ESPS Peer-review Report**
**Name of Journal:** World Journal of Radiology

**ESPS Manuscript NO:** 11229

**Title:** Low dose Four-Dimensional Computerized Tomography with Volume Rendering Reconstruction for Primary Hyperparathyroidism: How I Do It

**Reviewer code:** 00504802

**Science editor:** Fang-Fang Ji

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CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

**COMMENTS TO AUTHORS**

General comments: The paper is generally well-written with outstanding English and grammar. One major limitation of the paper is that any conclusion is strictly limited to primary hyperparathyroidism. For the much common secondary/tertiary hyperparathyroidism associated with end-stage renal disease, these conclusions may not stand – both due to the diffuse nature of parathyroid enlargement, as well as the associated bony changes, especially with advanced cases (Symmetrical Craniofacial Hypertrophy in Patients with Tertiary Hyperparathyroidism and High-dose Cinacalcet Exposure. Hemodial Int 2012 (Oct); 16(4): 571-576). The author's statement about reduced radiation exposure is an important message in the current era of "life-time" radiation exposure with repeated CTs. However, it would be helpful for the general readership quickly to recite the radiation exposure associated with some basic procedure (e.g., PA and lateral CXR; abdominal CT; pulmonary angiogram). Along the same theme, explain what 4D (vs 3D) in this context means. Minor comments: Introduction: -last sentence: correct spelling to "in-depth"; parenthesis left after the period... Discussion: -2nd -3rd sentence: "diagnostic accuracy.... 70-89%"... unclear, what they mean; PPV?, correlation? (radiology vs histology; success rate?). Please, consider rephrasing/explaining -2nd para, 3rd-4th row: "false negative..."[place FN in parentheses, as this would be an abbreviation]