

Review Form 1.7

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| Journal Name: | Asian Journal of Research in Surgery |
| Manuscript Number: | Ms_AJRS_110408 |
| Title of the Manuscript: | PREDICTIVE FACTORS OF POST-THYROIDECTOMY HYPOCALCEMIA: EXPERIENCE OF THE SURGERY A DEPARTMENT AT IBN SINA HOSPITAL. |
| Type of the Article | Case study |

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PART 1: Review Comments

| | Reviewer's comment | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
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| <p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p> | <p>The manuscript important for scientific community given the frequency of the problem, the authors must be clear as to the gap in knowledge that the authors want to assess is not really clear, since there are several articles addressing these issues.</p> <p>The article's title is acceptable but not accurate since no linear regression or multivariable analysis was performed to determine true predictor factors, only associated factors.</p> <p>The abstract is comprehensive but it isn't divided by sections: Background, aims, materials and methods, results and conclusions, as suggested in the General Guideline for Authors.</p> <p>The sections are appropriate</p> <p>The manuscript is fairly correct; it includes a general description of the variables. However, as stated in the comment about the title, this article is not about "predictive factors". Prediction requires a regression analysis, the inclusion of several of these factors in order to create a model to predict hypocalcaemia. When simple chi squared tests are used, this is the first step to create a model, but these factors cannot be said to predict hypocalcaemia, they are merely "associated" with hypocalcaemia. My recommendation would be to change the title to "Factors associated with hypocalcemia" or to include the missing statistical analysis.</p> <p>References are sufficient, but most of them are old (Before 2015). Recent references with fair methodology could include:</p> <ul style="list-style-type: none"> • Alqahtani SM, Alatawi AS, Alalawi YS. Post-Thyroidectomy Hypocalcemia: A Single-Center Experience. Cureus. 2021 Nov 29;13(11):e20006. doi: 10.7759/cureus.20006. PMID: 34987897; PMCID: PMC8716130. • Ramírez-Rentería C, García-Sáenz M, Mendoza-Zubieta V, Mercado M. (2019) Failure to Increase Parathyroid Hormone Predicts Hypocalcemia After Neck Surgery for Endocrine Diseases: A Referral Center Experience With High Risk Patients. J Endocrinol Diab. 6(4): 1-5. DOI: 10.15226/2374-6890/6/4/001140 • Shuchleib-Cung A, Garcia-Gordillo JA, Ferreira-Hermosillo A, Mercado M. Risk factors for hypocalcemia after total thyroidectomy. Cir Cir. 2022;90(6):765-769. English. doi: 10.24875/CIRU.21000579. PMID: 36472864. • Chen Z, Zhao Q, Du J, Wang Y, Han R, Xu C, Chen X, Shu M. Risk factors for postoperative hypocalcaemia after thyroidectomy: A systematic review and meta-analysis. J Int Med Res. 2021 Mar;49(3):300060521996911. doi: 10.1177/0300060521996911. PMID: 33779362; PMCID: PMC8010841. | |
| <p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p> | <p>Several minor grammar errors are present in the text, the text may benefit from an on-line automated scan to correct the errors. Additional corrections suggested:</p> <ul style="list-style-type: none"> • In the introduction the text says partly linked to revascularization or accidental excision, but it is really devascularization not revascularization • In the introduction additional description of the rationale for the paper. Explain why the topic needs to be addressed right now or in the hospital where the evaluation was performed. I assume that the hospital is a referral centre for this pathologies and hypocalcaemia presents even with experienced surgeons. The gap in knowledge that the authors want to assess is not really clear, since there are several articles addressing these issues. • The decimal numbers in the text must have a uniform format: in the text they are expressed | |

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| | with periods and in the tables and figure with commas | |
| | <ul style="list-style-type: none">• The tables do not have footings, only titles and abbreviations are not explained.• The abbreviation HBP as a subtitle should be changed to the full text | |
| Optional/General comments | | |

PART 2:

| | Reviewer's comment | Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
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| Are there ethical issues in this manuscript? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | |

Reviewer Details:

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|----------------------------------|---------------------------------|
| Name: | Claudia Ramirez Renteria |
| Department, University & Country | Mexico |