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**Invitation to Review for the Malaysian Journal of Medicine & Health Sciences**

1 message

**Malaysian Journal of Medicine & Health Sciences** <onbehalf@manuscriptcentral.com>

10 September 2020 at

15:14

Reply-To: dwiwahyu.indriati@vokasi.unair.ac.id

To: radiologigdc1@gmail.com

10-Sep-2020

Dear Dr. Sensusiaty:

Manuscript ID MJMHS-2020-0756 entitled "A Comparative Study between Filtered Back Projection (FBP) and Sinogram-Affirmed Iterative (SAFIRE) Reconstructions on HRCT Chest of COPD Patients to measure the Quantity of Emphysema and Lung Volumes" has been submitted to the Malaysian Journal of Medicine & Health Sciences.

I invite you to review this manuscript. The abstract appears at the end of this letter. Please let me know as soon as possible if you will be able to accept my invitation to review. If you are unable to review at this time, I would appreciate you recommending another expert reviewer. Please click the appropriate link at the bottom of the page to automatically register your reply with our online manuscript submission and review system.

Once you accept my invitation to review this manuscript, you will be notified via e-mail about how to access ScholarOne Manuscripts, our online manuscript submission and review system. You will then have access to the manuscript and reviewer instructions in your Reviewer Center.

I realize that our expert reviewers greatly contribute to the high standards of the Journal, and I thank you for your present and/or future participation.

Sincerely,

Dr. Dwi Indriati

Malaysian Journal of Medicine &amp; Health Sciences Associate Editor

[dwiwahyu.indriati@vokasi.unair.ac.id](mailto:dwiwahyu.indriati@vokasi.unair.ac.id)

\*\*\* PLEASE NOTE: This is a two-step process. After clicking on the link, you will be directed to a webpage to confirm.  
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**TITLE:** A Comparative Study between Filtered Back Projection (FBP) and Sinogram-Affirmed Iterative (SAFIRE) Reconstructions on HRCT Chest of COPD Patients to measure the Quantity of Emphysema and Lung Volumes

**ABSTRACT:** Background: Chest High Resolution Computed Tomography (HRCT) plays a role in determining the emphysema severity levels of COPD patients by measuring the low-attenuation volume (LAV) of the lung parenchyma. This method can be used as an alternative to calculate the lung volumes and provide additional information on the pathology that causes both the increase and the decrease of lung volumes. Generally, the reconstruction of raw data in HRCT uses Filtered Back Projection (FBP). Nowadays, reconstruction technology that

can be used as an alternative for HRCT is reconstruction iterative (IR) to maximize the diagnosis information and the image quality in a low radiation dose. Sinogram-Affirmed Iterative Reconstruction (SAFIRE) is an iterative reconstruction using noise modelling technique. The research aimed at comparing the use of FBP reconstruction using SAFIRE to measure the quantity emphysema and lung volumes. Results: a reconstruction using window lung filter kernel B70f sharp and reconstruction using SAFIRE soft tissue standard I70f sharp were performed to 40 samples. A post-processing, then, was conducted to each of the reconstruction result to measure the quantity of emphysema by displaying the Low Attenuation Volume (LAV%) values and lung volumes (ml). The result of the research shows that the use of reconstruction using SAFIRE can affect the measurement result of the quantity of emphysema and lung volumes quantitatively by using a post-processing software when compared to the reconstruction using FBP with the significant values ( $p < 0,05$ ).



Anggraini Dwi S <radiologigdc1@gmail.com>

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## Manuscript ID MJMHS-2020-0756 now in your Reviewer Center - Malaysian Journal of Medicine & Health Sciences

1 message

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Malaysian Journal of Medicine & Health Sciences <onbehalf@manuscriptcentral.com>

11 September 2020 at  
08:49

Reply-To: dwiwahyu.indriati@vokasi.unair.ac.id

To: radiologigdc1@gmail.com

10-Sep-2020

Dear Dr. Sensusiati:

Thank you for agreeing to review Manuscript ID MJMHS-2020-0756 entitled "A Comparative Study between Filtered Back Projection (FBP) and Sinogram-Affirmed Iterative (SAFIRE) Reconstructions on HRCT Chest of COPD Patients to measure the Quantity of Emphysema and Lung Volumes" for Malaysian Journal of Medicine & Health Sciences. Please try your best to complete your review by 01-Oct-2020.

In your review, please answer all questions. On the review page, there is a space for "Comments to Editor" and a space for "Comments to the Author." Please be sure to put your comments to the author in the appropriate space.

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To login to your account on the Malaysian Journal of Medicine & Health Sciences - ScholarOne Manuscripts site at <https://mc.manuscriptcentral.com/mjmhs>, your case-sensitive USER ID is [radiologigdc1@gmail.com](mailto:radiologigdc1@gmail.com). For security purposes your password is not listed in this email. If you are unsure of your password you may click the link below to set a new password.

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If you wish to view the manuscript and the review form simultaneously, click on the HTML or PDF icons – the manuscript will open in a new window. Leave the new window open, switch back to the main window, and open the score sheet by clicking on the Score Sheet tab. Follow the instructions for reviewers provided in the ScholarOne Manuscripts site. I strongly encourage you to elaborate on your review in the space provided. Your specific comments will offer valuable feedback to improve future work. It is essential that you click the "Save" button if you wish to exit the review before you submit it to the Editor. Otherwise, none of the information that you have entered will be saved in the system. When you have completed your review and are ready to submit it to the Editor, click on "Submit."

All communications regarding this manuscript are privileged. Any conflict of interest, suspicion of duplicate publication, fabrication of data or plagiarism must immediately be reported to me.

Thank you for evaluating this manuscript.

Sincerely,  
Dr. Dwi Indriati  
Malaysian Journal of Medicine & Health Sciences Associate Editor  
[dwiwahyu.indriati@vokasi.unair.ac.id](mailto:dwiwahyu.indriati@vokasi.unair.ac.id)



Anggraini Dwi S <radiologidc1@gmail.com>

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**Thank you for submitting your review of Manuscript ID MJMHS-2020-0756 for the Malaysian Journal of Medicine & Health Sciences**

1 message

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Malaysian Journal of Medicine & Health Sciences <onbehalf@manuscriptcentral.com>

29 September 2020 at  
16:10

Reply-To: dwiwahyu.indriati@vokasi.unair.ac.id

To: radiologidc1@gmail.com

29-Sep-2020

Dear Dr. Sensusiati:

Thank you for reviewing manuscript # MJMHS-2020-0756 entitled "A Comparative Study between Filtered Back Projection (FBP) and Sinogram-Affirmed Iterative (SAFIRE) Reconstructions on HRCT Chest of COPD Patients to measure the Quantity of Emphysema and Lung Volumes" for the Malaysian Journal of Medicine & Health Sciences.

On behalf of the Editors of the Malaysian Journal of Medicine & Health Sciences, we appreciate the voluntary contribution that each reviewer gives to the Journal. We thank you for your participation in the online review process and hope that we may call upon you again to review future manuscripts.

Sincerely,

Dr. Dwi Indriati

Associate Editor, Malaysian Journal of Medicine & Health Sciences

[dwiwahyu.indriati@vokasi.unair.ac.id](mailto:dwiwahyu.indriati@vokasi.unair.ac.id)