

LETTER TO THE EDITOR

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To

Editor in chief,

Journal of Dhaka medical College,
Dhaka.

About the published article “**Comparison of Postoperative Wound Infection in Controlled Diabetic and Non-Diabetic Patients in Elective Operations**”.

Dear editor in chief,

Thank you for consistently publishing one of the most prestigious journals in Bangladesh. I have thoroughly reviewed the articles featured in the September 2022 issue and found they were all high-quality. However, the article about the post-operative wound in elective operations in controlled diabetic and non-diabetic patients drew my attention.

Surgical site infection is uncommon among elective operation. Hyperglycemia is the independent risk factors for surgical site infection.¹ According to CDC surgical site infections are the infections that occur within 30 days after operation or 1 year after implantation.² Overall, 0.5 to 3% patient develop surgical site infection.³ These may be superficial, deep or organ specific infection. The risk factors are diverse, may be related to patient factors or procedural factors.² There are few studies regarding surgical site infection in controlled diabetes.

This study is a wonderful effort in addressing such condition. The strength of the study is that they compared with non-diabetic patients and they showed that the infection rate is still 5 times higher among the controlled diabetic patients. In this study the risk seems to be very high. Other study showed the risk is twice among the diabetic patients.⁴

This was a cross-sectional study; it would be better if they could do a cohort study. The infection rate differs according to nature of surgery and presence of other risk factors [3]. The infection rate in accordance to diagnosis and nature of surgery is lacking in this study. Such stratification could make this study strengthen further. The evaluation of other risk factors related to surgical site infection is also lacking.

Further cohort in a large scale studies could help in further evaluation of such instances.

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