



## *The Medical* **Bulletin**

### In Infection

#### **What is the status of new-onset Hyperglycemia in patients with Covid-19?**

- New-onset hyperglycaemia with or without diabetes in people with COVID-19 has been increasingly recognized
- A bidirectional relationship between diabetes and COVID-19 is likely to exist.
- An interplay of insulin resistance and possible insulin secretory defects has been recently proposed as a possible pathogenic mechanism
- Recent studies are clearly showing that people with new-onset diabetes and COVID-19 had worse outcomes than normoglycemic individuals or individuals with pre-existing diabetes.
- Interestingly, people with new-onset hyperglycaemia even without diabetes have poorer outcomes with COVID-19.
- We must be aware that new-onset diabetes brings the worst prognosis
- There is an increased risk associated with development of new-onset diabetes following COVID-19 hospitalization.
- We need long term data to determine if the diabetes is permanent or reverses.

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