

Stroke unit of Tawam hospital: the one year experience during COVID pandemic

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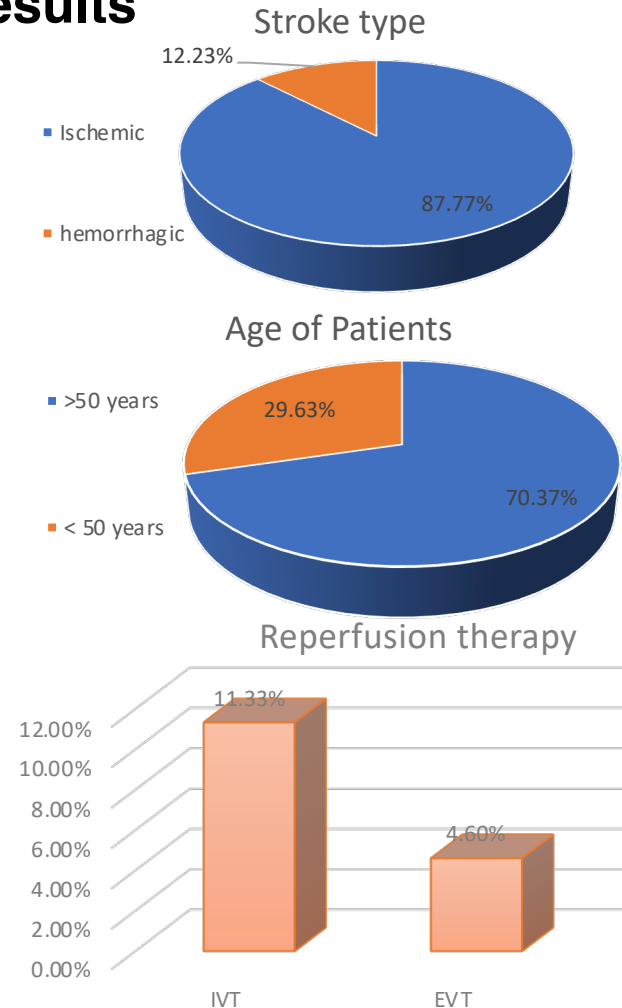
Introduction:

The management of stroke provided in a Stroke unit has more favorable long-term outcomes with significant improvement in morbidity and mortality related to stroke. During COVID-19 pandemic, it was challenging to establish and maintain a well-structured stroke unit at our institute. We described stroke management outcomes provided by Stroke team in Tawam hospital in the Eastern region of the Abu Dhabi Emirate, UAE.

Method:

A retrospective chart review study was conducted at Tawam hospital over one year, from January 1 to December 31, 2021. Inclusion criteria: adult patients (age > 16 years) admitted with suspected stroke. Demographic and clinical data were collected and analyzed from the locally build stroke registry.

Results



An estimated incidence based on population of 634,112 of Al Ain region, the current estimated incidence of acute stroke is 82.35/100,000, 72.38 for acute ischemic stroke, 10.09 for ICH.

Conclusion:

With the challenges during COVID pandemic, Tawam hospital was able to build a new Stroke service in a short time frame and successfully provide a high standard of multidisciplinary acute stroke care. The estimated stroke incidence for acute stroke and its subtypes correlates with the international incidence of acute stroke in developed country.