

8<sup>th</sup> International Conference on  
Spine and Spinal Disorders

March 18-19, 2022 | Webinar



## Tariq Al-Saadi

McGill University, Canada

### Intracranial Haemorrhage following Spinal Surgery: A systematic review of a rare Complication

**Aim:** A systematic review of the literature to investigate the prevalence of different types of Intracranial haemorrhages in patients who underwent spinal surgeries.

**Methods:** A literature review was conducted using multiple research databases. Data were extracted using multiple variables that were formulated incongruent with the study aim and then further analysed.

**Results:** Out of 112 cases, the most common type of haemorrhage was cerebellar haemorrhage (56.3%). Since most of the patients were in the middle age group (15-65), out of the 71 patients in this group, 60.6% developed significant cerebellar haemorrhage ( $p$ -value=0.004). Other significant findings in the middle age group included the occurrence of SDH and EDH in 19.7% and 5.6% respectively ( $p$ -value=0.024 and 0.019 respectively). Occurrence of EDH after spinal surgery was more commonly treated surgically with conservative treatment (11.5%) ( $p$ -value=0.011).

**Conclusion:** The data in this study showed that out of 112

patients, cerebellar haemorrhage was the most common type. ICH post-spine surgery is a rare complication and diagnosing it as early as possible is necessary for early intervention to prevent aggravation of the complications and to decrease the hospital length of stay post-operatively.

#### Speaker Biography

Tariq Al-Saadi is a neurosurgical resident at McGill University in Canada. He graduated with distinction from Sultan Qaboos University in Oman in 2016. He participated as a corresponding author in more than 20 publications and as a first author and co-author in more than 15 other neurosurgical papers. He is an editorial board member of the Gulf Research Collaboration Group (GRCG), which is established to conduct multi-centric high-quality research in the Gulf area. He is also an active editorial board member at Neurosurgical journals including Neuroscience and Neurological Surgery Journal, International Journal of Neurosurgery Journal, and Scholar Academic and Scientific journals. He was recognized as a reviewer by the "Reviewer Recognition Team" for the World Neurosurgery Journal (USA). He is a member of the American Association of Neurosurgical Surgery (AANS), Canadian Neurosurgical Society (CNSS), North American Spine Society, and Association of Surgeons in Training (ASIT) membership

e: t.dhiyab@hotmail.com