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| Book Name: | [**Medical Science: Trends and Innovations**](https://www.bookpi.org/bookstore/product/medical-science-trends-and-innovations-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4577** |
| Title of the Manuscript: | **Cerebral Fat Embolism Syndrome – Pathogenesis and Treatment** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **The author herein details a case regarding Fat embolism syndrome which is a rare in long bone fracture involved in accident. The onset of symptoms might be soon after the accident or might develop post surgery of the long bone fracture. Gurd and Wilson's major and minor criteria for fat embolism syndrome will be applied for the confirmation of Fat embolism syndrome. Management of symptom, providing supportive treatment and mechanical ventilation will increase the recovery of the patient.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **A rare case of Fat embolism syndrome following multiple Long bone fracture** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **Can be more detailed pertaining to diagnosis which confirmed about cerebral fat embolism based on Gurl and Wilson criteria.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **In the case report the author mentioned patient developed neurological symptoms after 24 hours, and later in the discussion it was mentioned 30 hrs. There is no point mentioned whether these symptoms were developed post to fracture or post to surgery/fixation of fractures. No data was provided for the surgery performed which can support the case with cerebral fat embolism. Majar and minor factors were generalized and needed more reference with modified gurd and Wilson criteria need to be address. Biochemical parameters were mentioned in the discussion were not provided with respect to the case.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **More details are needed about the X ray images confirming the multiple fractures, blood reports and images of petechial rashes of the patient. The discussion was generalized to FES and needed more references to support the diagnosis was done on which criteria neurologically(gurd Wilson major and minor criteria), whether the treatement and management were effective or not.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Good |  |
| Optional/General comments | The above mentioned treatment in the discussion was stated to be effective but the same information is contradicting. Needed detailed writing supporting the management mentioning symptomatic support and criteria.  **Revision needed which confirms the case authenticity and cerebral Fat embolism syndrome with Gurd and Wilson Criteria.** |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewer details:**

**Pinjari Roshan Ali, CMR College of Pharmacy, India**