anaphylactic reaction to mephentermine and further treatment was initiated along the recommended lines of anaphylatic reaction management using adrenaline as first line of treatment. Adrenaline has α and β sympathomimetic actions resulting in peripheral vasoconstriction and increased cardiac output along with bronchodilation. It also inhibits further release of inflammatory mediators from mast cells.[5]

In amended criteria for diagnosis of anaphylaxis 2019, acute onset of hypotension is also considered to be diagnostic of anaphylaxis in a patient known to have exposure to allergen even in the absence of dermatological or respiratory manifestations.[6] The patient in this case also presented anaphylactic reaction to mephentermine in the form of unresponsive hypotension without respiratory and cutaneous manifestations.

Anaphylaxis is an immunoglobin E (IgE)–mediated life-threatening systemic allergic reaction leading to activation of mast cells and basophil cells and release of preformed mediators that include histamine, tryptase, carboxypeptidase A, and proteoglycans. These are responsible for different manifestations of anaphylaxis in the form of dermatologic, respiratory, cardiovascular, and neurologic symptoms.[7] Certain laboratory tests can be performed to confirm the diagnosis of anaphylaxis like skin tests and blood tests for eosinophilia, and to measure levels of immunoglobulin IgE, mast cells, and basophil mediators like enzyme tryptase and histamine. Unfortunately, these tests could not be done in this case and, thus, is a limitation here.

To conclude, the patient had a possible anaphylactic reaction to mephentermine manifesting as hypotension which could be attributed to its constituents mephentermine sulfate and/or to presence of parabens, methylparaben, and propylparaben. Since there is no pre-emptive strategy to know about these unexpected allergic reactions in majority of patients, all necessary equipment and life-saving drugs should always be kept handy.

Conflict of Interest
None declared.

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Selfie Mode: Handy and Practical Tool to Prevent Horseshoe Headrest Induced Ocular Injury in Prone Position

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Prone or ventral decubitus position is frequently employed during neurosurgical procedures involving the craniovertebral junction, cervical, or lumbar spine. Horseshoe headrests are frequently employed to support the patients' forehead and cheeks in the prone position. Horseshoe headrests are well-known to cause pressure injuries like facial,[1] malar,[2] and conjunctival injuries.[3] These injuries are attributed to the pressure effects generated by the weight of the head over the headrest, which is accentuated by the intermittent pressures generated during surgical manipulations. Amongst these, ocular injuries are the most dreaded complications which might lead to postoperative visual loss (POVL) that occurs due to surgery in the prone position along with other reasons like hypotension, embolism, etc. The ASA task force has agreed that horseshoe headrests increases the risk of ocular compression;[4] therefore, the perioperative caregivers fastidiously attempt to prevent any ocular compression whenever horseshoe headrests are used. Some clinicians prefer pin systems for head fixation to eliminate pressure on the eyes and soft tissues; however, horseshoe headrest is commonly used in neurosurgical practice due to a variety of reasons.

Usual methods to avoid pressure over the eyeballs include the use of commercial eye protectors (Dupaco Opti-Guard) and foam headrest, but they themselves might cause eye compression and therefore should be avoided.[5] Careful positioning of the patients during the initial stages of the surgery and repeated and vigilant observations during the intraoperative period to ensure the eyeballs remain devoid of pressure thus remains the best preventive strategy. Visual inspection of the eyeball necessitates the clinicians to physically bend below the headrest in order to observe the position of the eyeballs, which is ergonomically cumbersome and may not be feasible at all times intraoperatively. In addition, the view obtained, when the clinician is bending below, is at an angle and inaccurate. To ameliorate these limitations, we propose an innovative method. Mobile phones are nowadays ubiquitously available and are camera-equipped. The "selfie" feature is designed to capture pictures in front of the mobile screen. After positioning the patient, the selfie mode of the camera is selected, and the mobile screen is passed below the headrest to provide an exact perpendicular and real-time view of the face of the patient and its relative placement to the frame. (►**Fig. 1**). Any adjustments which need to be made is then reconfirmed as per the image on the screen. Intraoperatively repeated observations can be made after surgical manipulations are made, fortifying its utility in the dynamic surgical settings. Additional pictures (at 30-minute intervals) can be taken beneath the drapes, causing minimal disturbance. Although nothing can substitute physical verification and clinical judgement, this method adds a safety buffer to avoid potential injuries. In today's era, where emphasis is laid on precise documentation, pictures of the final position of the patient prior to draping and repeated pictures intraoperatively serves as a proof should any dispute arise due to inadvertent injuries later. Clinicians should therefore be aware of this technique, in addition to manual and visual inspection to prevent ocular pressure, and include it in their clinical practice.

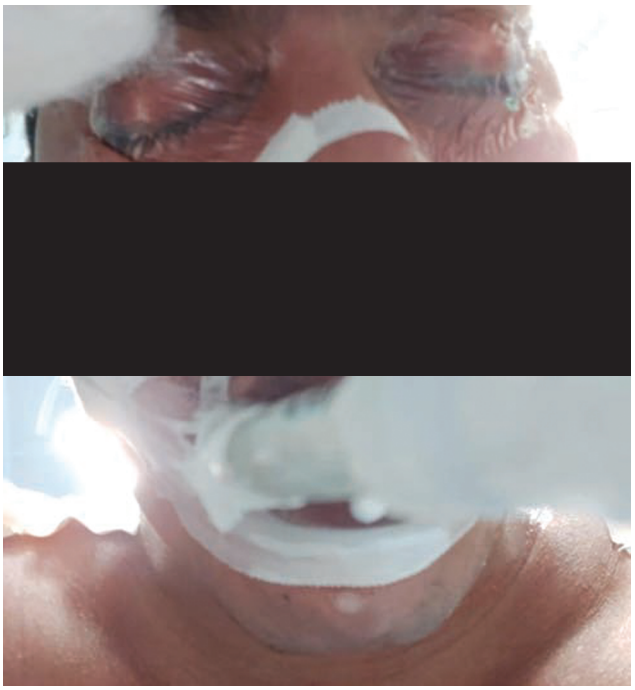

Fig. 1 Photograph of the patient in prone position using "selfie mode" revealing eyes free from pressure.

Conflict of Interest

None declared.

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