

LETTER TO THE EDITOR

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Reviewing brachial plexus injury in a trauma registry center

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Dear editor

We read with interest Abdolrazaghi and his colleague's paper entitled "Brachial plexus injury following blunt trauma; an anatomical variation in electrodiagnostic findings" and enjoyed it a lot (1). They presented a brachial plexus injury (BPI) case, which was rare in clinical practice because blunt traumas did not commonly cause BPI. There is ample evidence that most cases are men and adolescents aged 15 to 25 years, and the main mechanism of injury (70%) is motor vehicle accidents (2).

As BPI is increasing (2), we will provide some epidemiologic and clinical characteristics of our cases registered at Sina Hospital, affiliated with the National Trauma Registry of Iran (NTRI).

The Sina Trauma and Surgery Research Center launched the NTRI in 2016 and first recorded the related data from Sina Hospital (3,4). As the registry expanded, the NTRI included some other Iranian hospitals from different cities in the next step. The inclusion criteria were discussed elsewhere (5). We have registered 10 cases of BPI since 2016 at Sina Hospital. All of them were men, ranging from 19 to 45 years. The cause of injury was cut/stab in nine and road traffic accidents in one patient; seven were intentional, and most were due to interpersonal violence. Five of the injuries happened outdoors, three cases in commercial and service departments, and two at homes.

Furthermore, the median injury severity score (ISS) was 5.0 (IQR=1). All of the patients had surgical operations. No death or need for ventilators was reported. Only one patient needed intensive care unit (ICU) admission and stayed for three days in the ward.

We hope this information can be helpful for the *Frontiers in Emergency Medicine's* readers to know more about BPI and can compare similarities and differences between our cases and the others included in the literature.

1. Declarations

1.1. Acknowledgment

None.

1.2. Authors' contribution

Payman Salamati wrote the first draft and Mohammad Reza Zafarghandi confirmed it. Both authors performed editing and approved the final version of this letter.

1.3. Conflict of interest

The authors declare no conflict of interest.

1.4. Funding

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