## **Commentary**

The authors have reported performing a suitable evaluation and treatment and having obtained the good prognostic to the penetrating head injury by a cow.<sup>[1]</sup> I think that this treatment course is wonderful.

The injury by a cow is a severe in many cases and sometimes becomes death dealing.<sup>[2,3]</sup> In the prosperous region of stock farming, the injury by a cow is an important problem. To escape death, it is necessary to evaluate reasonably and to perform an adequate treatment.

Although the patients suffered a skull base injury, which usually becomes severe and fatal, the authors performed the suitable evaluation by computed tomography and devised to the surgery and postoperative management, and the patients recovered.

Thus, because we must select a therapy for severe injuries for a short time, it is necessary to acquire and have knowledge about a traumatic treatment.

Although only axial images of computed tomography were used in this paper, three-dimensional computed tomography is useful as a method of further devising. Three-dimensional computed tomography is applied to surgical treatment in recent years. [4] Three-dimensional computed tomography is useful, especially for the treatment of the site of a complicated structure like this skull base. I think that the use of three-dimensional computed tomography images will make a better evaluation and treatment.

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## REFERENCES

- Bunevicius A, Bareikis K, Kalasauskas L, Tamasauskas A. Penetrating anterior skull base fracture inflicted by a cow's horn. J Neurosci Rural Pract 2016;7:S106-S8.
- Dogan KH, Demirci S, Erkol Z, Sunam GS, Kucukkartallar T. Injuries and deaths occurring as a result of bull attack. J Agromedicine 2008;13:191-6.
- Sano A, Tsuchiya T, Nagano M. Outpatient drainage therapy with a thoracic vent for traumatic pneumothorax due to bull attack. Korean J Thorac Cardiovasc Surg 2014;47:563-5.
- Sano A, Yotsumoto T. Right lower lobe superior segmentectomy in a patient with a displaced bronchus. Ann Thorac Surg 2015;100:e121-2.

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