Use of naloxone in valproate overdose

Sir,

I read with interest the recent case presentation by Nasa et al. regarding the effectiveness of hemodialysis in a case of severe valproate overdose published in your journal.\[1\]

The authors stated that naloxone acted as a GABA antagonist. However, their patient did not show any improvement with naloxone. As you know, according to the textbook of Goldfrank’s Toxicologic Emergencies, naloxone is not effective in valproic acid-induced central nervous system (CNS) or respiratory depression.\[2\] In contrast, although the clinical experience with naloxone in reversing valproic acid-related CNS or respiratory depression is too limited to allow for in depth analysis, one review of the literature has suggested that standard-dose naloxone has utility in mild to moderate cases of CNS depression and massive valproic acid overdoses may require larger naloxone doses, or, alternatively, naloxone may simply be ineffective in such a situation.\[3\]

Hossein Sanaei-Zadeh
Medical School, Shiraz University of Medical Sciences, Shiraz, Iran

Correspondence:
Assoc. Prof. Hossein Sanaei-Zadeh, MD, Medical School, Shiraz University of Medical Sciences, Emergency Room/Division of Medical Toxicology, Hazrat Ali-Asghar (p) Hospital, Meshkinfam Street, 7143918796 Shiraz, Iran.
E-mail: h-sanaei-zadeh@tums.ac.ir

References
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Upside‑down twist with angulation maneuver for guide wire insertion in ultrasound‑guided supraclavicular approach for subclavian catheterization: Our experience

Sir,

Supraclavicular approach to the subclavian vein is an underused and less commonly employed technique for unknown reasons than the traditional infraclavicular approach. There are definitive advantages of the former technique, which include: A well ‑defined insertion landmark (the clavisternomastoid angle); a shorter distance from skin to vein; a larger target area; a straighter path to the superior vena cava; less proximity to the lung; and fewer complications of pleural or arterial puncture. [1]

In addition, the supraclavicular approach less often necessitates interruption of CPR or tube thoracostomy than the infraclavicular method. [2]

Since the original description of the supraclavicular approach to the subclavian vein described by Yoffa, [1] there were many modifications done to reduce the complications and to achieve greater success. [3,4]

Evidence supporting the use of ultrasound‑guided cannulation in subclavian venous access is sparse. [5]

We, in our institution, routinely identify the vessel by positioning the linear transducer (Sonosite® Titan™ with LHFL 38 high frequency 13‑6 MHZ 38‑mm linear array transducer) at the clavisternomastoid angle obtaining the short axis view of the subclavian vein [Figure 1] and marking the puncture site on the skin overlying the center of the vessel before cannulation. The cannula is inserted through out‑of‑plane approach at an angle of 10° medially from the sagittal plane and 35° posteriorly from the coronal plane [Figure 2], and after confirming the placement of the cannula in the vein by free aspiration of the venous blood, the guide wire and subsequent catheter is introduced.

While insertion of the guide wire, we sometimes encountered a problem of negotiating it past the likely area around clavicle where it frequently gets stuck and subsequently leads to difficult cannulation. The problem can be negated by gradually twisting the needle upside down with direction of the bevel rotated anticlockwise to an angle of 180° with constant gentle pressure applied over the guide wire [Figure 3]. By doing so, the bevel of the needle, which is originally facing upwards, which might leads to possibility of kinking of the guide wire, can be bypassed. The gentle constant pressure, which is applied over the guide wire, further directs it to follow the least resistance pathway along the vein.

For insertion of the cannula, we use modified approach, [6] in which the needle directs at an angle of 10° medially from the sagittal plane and 35° posteriorly from the coronal plane [Figure 2]. The risk of pnuemothorax, subclavian artery punctures, and pinch‑off syndrome by catheters can be reduced by this approach. [6]

While introducing the guide wire, there is sometimes resistance felt for insertion, even after upside down twist maneuver. This problem can be dealt by gently angulating the needle further medially in the sagittal plane (from 10°...