Evaluation of regional anesthesia procedure in the emergency department and prehospital care: a regional survey

Violeau Mathieu, MD, Department of Emergency and Critical Care Medicine, Niort hospital center, France,

Introduction: The regional anesthesia (ALR), initially restricted to anesthetists, is underused in emergency medical department, often due to lack of training. Ten years after french recommendations, a regional investigation, was realized to estimate the practice of the ALR of the emergency physicians. Material and methods: This descriptive study, multicenter was led during period from January 1st till April 30th, 2012 in french county. Results: We collected 144 responses from 317 physicians in the forty six emergency departments. The rate of participation amounted to 45,4%. Fifty five per cent doctors had more than ten years experience and 70% had an activity in the emergency care and pre hospital care. Seventy one per cent physicians practiced the ALR, among which 46 % without training. The indications were: against pain (71 %), explorer (60 %) or during reduction of fracture or dislocation (52 %). The most had not meet complications (96%). There was a statistical association between the experiment of the doctor and the practice of the ALR (p=0,01). Seventy two per cent physicians judged the useful of ALR. However, the emergency physicians underlined a lack of training (70 %), rare indications (45 %), a fear (8 %) and a lack of interest (4 %). 89 % realized the femoral block and respectively 32 %, 20 %, 3 % the block of the hand, the face and the foot. The majority had a favorable opinion for the learning of the regional anesthesia. Conclusion: The benefit of regional anesthesia in the emergency units is well established not only its effectiveness but also its simplicity, ease of use and the lack of overall impact. In spite of the recommendations, it turns out that there is a misunderstanding and a real need for training among the emergency physicians including for the young graduates.

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Biography

Mathieu Violeau has completed his MD in 2012 at Poitiers University. He is secretary of poitou-charentes college of emergency medicine since 2016.
Member of society of french emergency medicine (SFMU), French prehospital care (SAMU de France), Pain Prevention Committee.
Credentialed in disaster medicine. Degree in emergency toxicology, in emergency ultrasonography, in pediatric emergency care
He has 5 publications in french and european emergency journals.

Email: violeaum@hotmail.fr