

Title: Analysis of dentists' choice of local anesthetics in Belarus

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Abstract:

The purpose of this research was to study the selection of local anesthetics by dentists in Belarus.
Materials: Anonymous questionnaire poll of 213 Belarusian dentists was conducted. Questionnaires were statistically analyzed.
Results: 15.9% of respondents always use local anesthesia in treatment of dental caries and non-carious lesions, 83.1% - do it sometimes, 31.4% use local anesthetics in treatment of pulp diseases. The dentists are guided by the following criteria when choosing local anesthetics: allergic history data - 92.9%, medical anamnesis - 90.6%, patient's condition - 84.4%, diagnosis - 71.2%, planned duration of treatment - 62.3%. Respondents prefer "Ultracain D-S" (60.1%) and "Ultracain D-S forte"(59.2%) in their practice. 45.1% use "Ubistesin", 38.5% - "Ubistesin forte", 37.5% - "Septanest", 25.4% - Lidocaine, 20.1% - "Scandonest". 91.4% of respondents know about the availability of domestic articaine-containing anesthetics on the market, but only 22.1% of dentists use "Articaine with epinephrine" and 14.0% use "Erpicaine", manufactured in Belarus. The reasons for rare use of Belarusian anesthetics are as follows: the lack of domestic products in dental clinics (48.7%), fear of complications (25.3%), the presence of preservatives in anesthetic solution (16.0%), lack of information about the anesthetic (16.0%), drug packaging in ampoules (14.6%), lower efficiency (14.0%).
Conclusion: Dentists of Belarus prefer to use articaine-based local anesthetics in their practice. Under-use of domestic products indicates the need to improve their characteristics and to intensify marketing efforts.

Biography

Iryna Zakharava graduated from Belarusian State Medical University in 2005. She works as Asst. Prof. at the 2nd Department of Therapeutic Dentistry since 2010. Member of EADPH, participated in many international conferences. The author has more than 20 scientific publications. Her research interest includes Public Health and Anesthetics in dentistry.

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