

# NDSE Dental Anesthesia

## Content

The NDSE in dental anesthesia evaluates your knowledge and clinical competence at the specialty level.

## Blueprint

Canadian specialists in dental anesthesia are required to have a broad knowledge and skills in seven domains. The blueprint below indicates the content domains and approximate percentage of questions in each domain.

Dental Anesthesia Blueprint	Approximate % of questions
<b>Biomedical Sciences:</b> <ul style="list-style-type: none"><li>• Anatomy</li><li>• Physiology</li><li>• Human growth and development</li><li>• Neuroscience</li><li>• Physics</li><li>• Biostatistics</li></ul>	5-15%
<b>Pathophysiology and Clinical Medicine:</b> <ul style="list-style-type: none"><li>• Pathophysiology</li><li>• Clinical medicine</li><li>• Psychological/behavioural management of dental anxiety</li></ul>	5-15%
<b>Pharmacology:</b> <ul style="list-style-type: none"><li>• Drugs used for the administration of the states of minimal and moderate conscious sedation, deep sedation, and general anesthesia</li><li>• Drugs used in critical care and resuscitation</li><li>• Local anesthetics used for dental and maxillofacial procedures</li><li>• Drugs used for management of acute orofacial pain</li></ul>	15-25%
<b>Anesthesia Equipment, Delivery Systems, and Monitoring:</b> <ul style="list-style-type: none"><li>• Patient monitoring</li><li>• Anesthetic machines and equipment</li><li>• Adjunctive anesthetic devices and technologies</li><li>• Vascular access</li></ul>	5-15%
<b>Preoperative Assessment:</b> <ul style="list-style-type: none"><li>• Physical exam, including airway assessment</li><li>• Patient history, including stability and severity of disease</li><li>• Identification and determination of anesthetic risk</li></ul>	10-20%
<b>Anesthetic Plan:</b> <ul style="list-style-type: none"><li>• Perioperative treatment modifications, including anesthetic risk mitigation</li><li>• Selection of anesthetic agents and airway management strategies</li><li>• Postoperative patient management, including recovery and discharge</li><li>• Preoperative and postoperative patient instructions and informed consent/assent</li></ul>	10-20%

<b>Management of Complications/Emergencies:</b> <ul style="list-style-type: none"> <li>• Differential diagnosis of anesthetic and medical emergencies</li> <li>• Management of anesthetic and medical emergencies</li> <li>• Crisis management</li> <li>• Emergency airway management</li> <li>• ACLS and PALS protocols</li> </ul>	15-25%
<b>Total</b>	<b>100%</b>