

MOCA Minute™: Overview and Potential Use for Summative Assessment

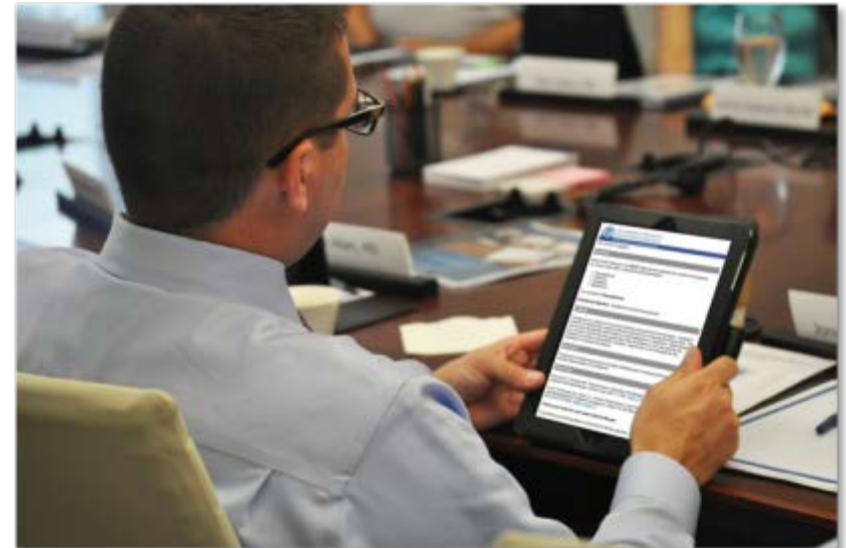
Ann E. Harman, Ph.D.

Chief Assessment Officer

American Board of Anesthesiology

MOCA Minute™: Overview

- First piloted January – June 2014
- Engages busy physicians through a continuous, dynamic assessment of knowledge
- Provides focused content that can be accessed and reviewed later to refresh knowledge
- Allows diplomates to quickly assess their knowledge and then guides them to resources to strengthen their expertise



MOCA Minute™ Application



Seconds remaining to answer this question: 59

A 47-year-old man is scheduled for a tonsillectomy. Which will **INCREASE** his chance of postoperative bleeding?

- Obstructive sleep apnea
- Intraoperative dexamethasone
- Acute tonsillitis
- Vigorous intraoperative hydration

Submit My Answer

Here is this week's MOCA Minute C on the "I'm ready" link below. This c

[I'm ready -- Ask me a MOCA ques](#)

[I'll skip the question this week.](#)



Sorry, your answer is incorrect.

Question:

A 47-year-old man is scheduled for a tonsillectomy. Which of the following factors will **INCREASE** his chance of postoperative bleeding?

- Obstructive sleep apnea
- Intraoperative dexamethasone
- Acute tonsillitis
- Vigorous intraoperative hydration

You answered: **Intraoperative dexamethasone**

The correct answer is: **Acute tonsillitis**

Key Point:

Patients with tonsillitis or abscessed tonsils are at an increased risk for postoperative hemorrhage.

Reference:

Baugh RF, Archer SM, Mitchell RB, et al; American Academy of Otolaryngology-Head and Neck Surgery Foundation. Clinical practice guideline: tonsillectomy in children. *Otolaryngol Head Neck Surg.* 2011; 144(1): (suppl) S1-S30. [PMID:21493257](#)

Gallagher LQ, Hill C, Ojha S, et al. Perioperative dexamethasone administration and risk of bleeding following tonsillectomy in children: a randomized controlled trial. *JAMA.* 2012; 308(12): 1221-1226. [PMID:23011712](#)

Educational Objective:

Anesthesia for tonsillectomy

Critique:

The most concerning complication after tonsillectomy is hemorrhage. Patient factors that may increase the chances of this occurring include increasing age, male gender, and patients with recurrent acute tonsillitis, previous peritonsillar abscess, or quinsy tonsil when compared with patients with pharyngeal obstruction and obstructive sleep apnea. Use of a cold surgical technique with metal instruments has lower rates of postoperative bleeding than hot surgical techniques such as diathermy and coblation. NSAIDs and dexamethasone have not been shown to increase the rate of postoperative hemorrhage.

You'll get an opportunity to answer another question in this content area in a subsequent MOCA Minute. Check your email for next week's MOCA Minute!

If you'd like to provide feedback on this MOCA Minute question, [click here](#).

MOCA Minute™ Pilot Results

- First phase of the pilot completed
- Diplomate feedback shows very positive experience
- Diplomates who actively participated in MOCA Minute scored higher than diplomates who did not participate

MOCA 2.0 Pilot

- The ABA will launch a MOCA 2.0 pilot on Jan. 1, 2016.
- The MOCA Minute™ will replace the current MOCA Examination as the Board's MOC Part 3: Assessment of Knowledge, Judgment, and Skills during this pilot.
- All diplomates who have certificates that expire in 2016 or later and who are participating in MOCA will be enrolled in the pilot.

MOCA Minute™:

Potential Use for Summative Assessment

- Using an intensive longitudinal assessment model based on the MOCA Minute™ application:
 - Diplomates will answer a minimum of 30 questions per calendar quarter
 - We will collect 120 data points from every diplomate every year a diplomate decides to maintain their certification
 - Diplomates will build a continually-updating profile of their content knowledge over the course of their career
 - These data can be used to make a dynamically summative judgment at any point(s) during a diplomate's career if their content knowledge profile shows their content knowledge falls below the ABA's standard too frequently or for too long

Future Possibilities for MOCA Minute™

- Using the MOCA Minute™ application:
 - Across a 40-year career we would collect 4,800 data points per diplomate
 - Assume 40,000 diplomates per year, each with a 40-year career
 - That's 4.8M data points per year
 - And 192M data points over the course of 40 years
 - A total of 1,200 data points will be collected during last 10 years of diplomate's careers when he or she typically would be 62- to 72-years-old