

Countdown to 2020: The Integrated National Board Dental Examination



AMERICAN DENTAL EDUCATION ASSOCIATION

Today's Speakers



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Disclosure

- Dr. Spielman has no relationships to disclose
- Dr. Waldschmidt is employed by the American Dental Association

Goals of this Discussion

- Explain the rationale for the creation of the INBDE, and the role played by dental education
- Define the INBDE implementation timeline and related key dates
- Assess implications of the INBDE for dental faculty, students, and programs

The Integrated National Board Dental Examination

- Used by dental boards to inform licensure decision making.

Does the candidate have the cognitive skills necessary to safely practice?

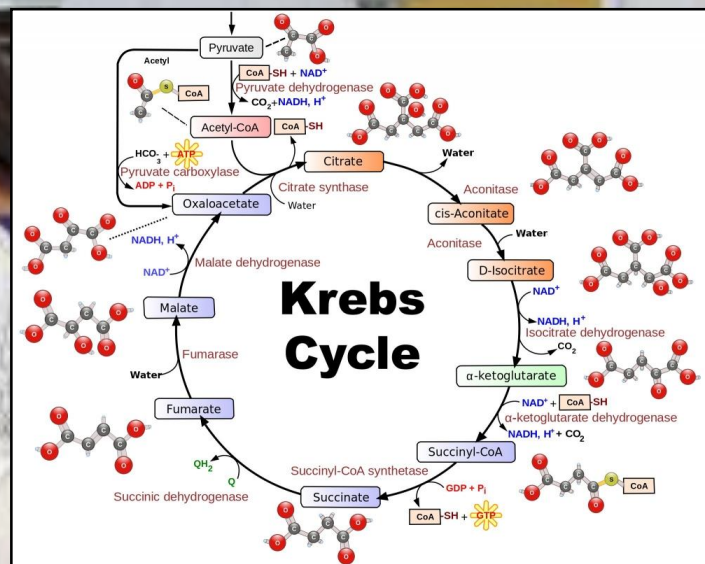
- Integrates the biomedical, behavioral, and clinical sciences.
- Designed to replace National Board Dental Examination (NBDE) Parts I and II.

Q: Why was the exam developed?

A: Because this is unlikely to happen in a dental office...

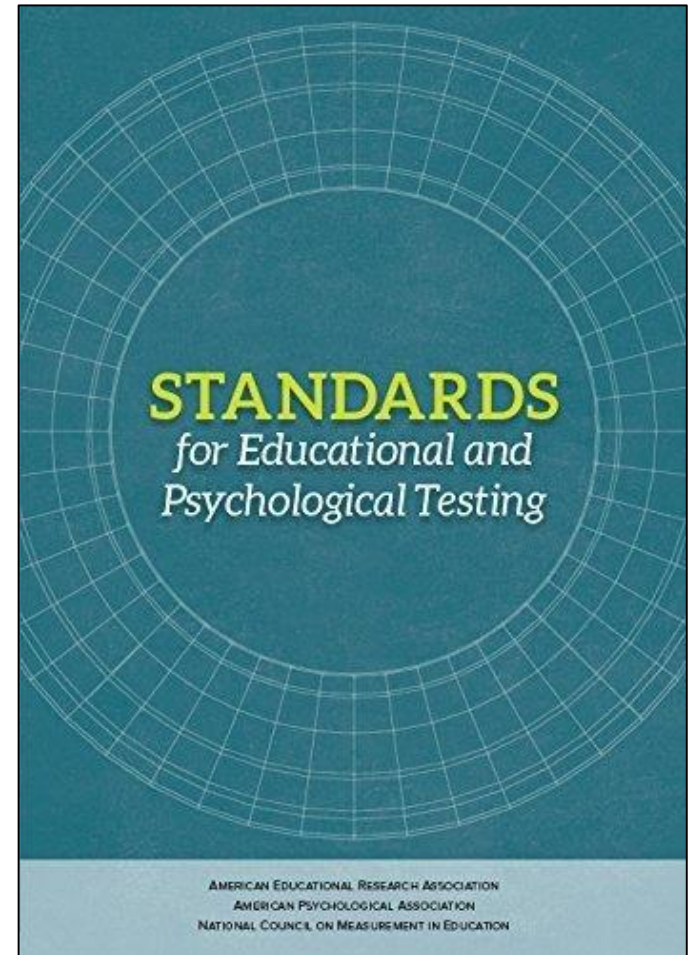
What?

Doc, could you list the molecules of the Krebs Cycle?



How was the INBDE Developed?

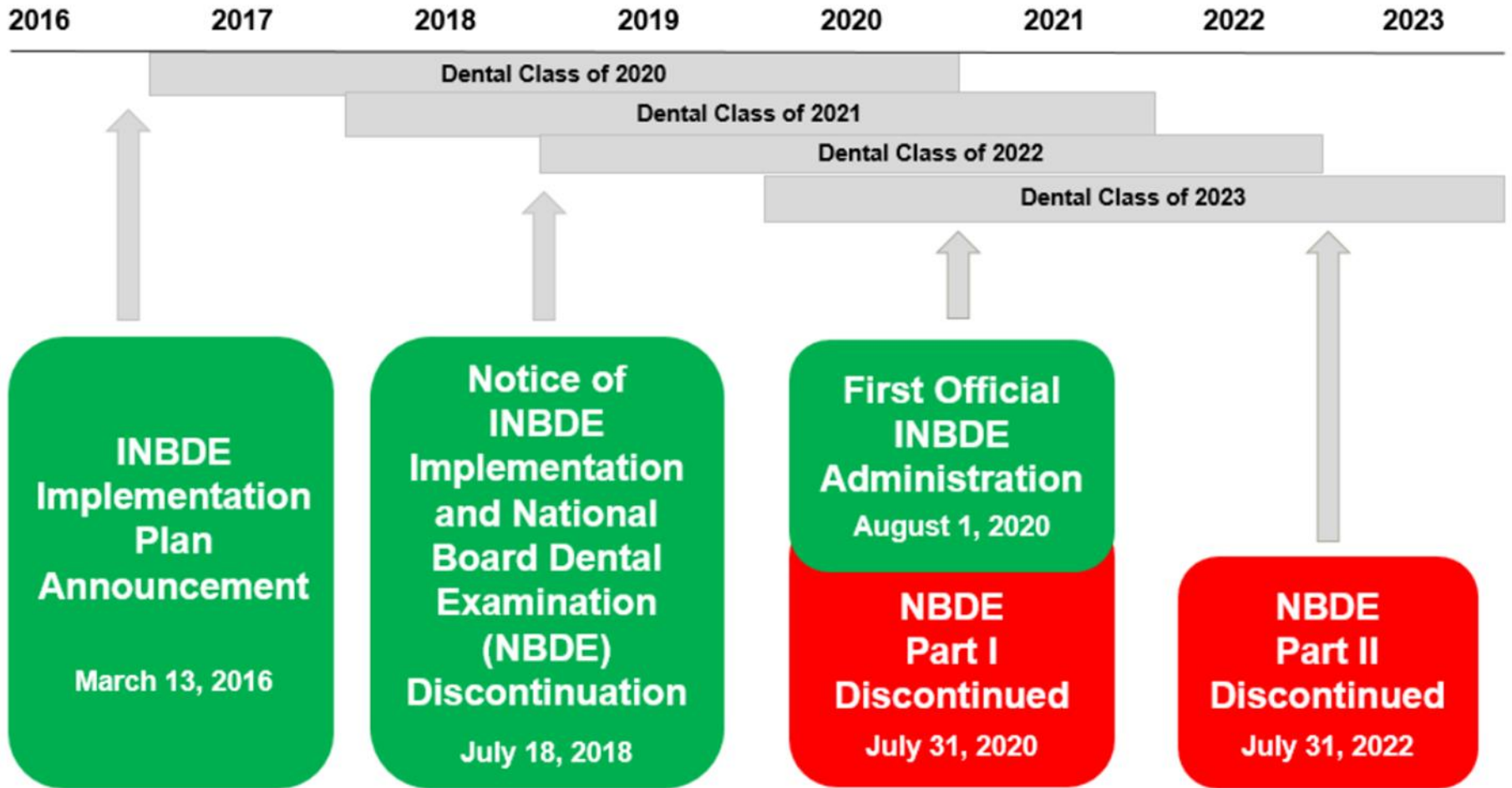
- Committee for an Integrated Examination (CIE) appointed to develop and validate the INBDE (2009)
- *Standards for Educational and Psychological Testing* (2014) consulted throughout development
- The primary focus is **Validity**



How was the INBDE Developed?

- Many years of extensive development:
 - The Domain of Dentistry
 - Practice analyses and test specifications
 - The “Patient Box”
 - Extensive field testing
 - Extensive surveys
- The result:
 - The JCNDE has strong validity evidence in support of the INBDE

INBDE Implementation Plan (Final)



How Does this Impact Current/Future Students?*

Class of 2022

- **Entering fall 2018**
- May NOT be required to take the INBDE
- Must take Part I by July 31, 2020
- Must take Part II by July 31, 2022
- Each exam will no longer be available after those respective dates

Class of 2023

- **Entering fall 2019**
- WILL BE required to take the INBDE

*The following assumes a 4-year program where Part I is taken after D2 and Part II is taken during D4.

INBDE Quick Facts

- 500 questions administered over 1½ days
- Policies & procedures will mirror NBDE
- Candidate administration guide and cost will be published in December 2019
- Viewed by field test candidates as an improvement over the NBDE Part II in many ways

“The INBDE is more clinically applicable than NBDE Part I, while integrating some of the same required knowledge. There was a lot of tested information that new graduates simply should know in order to be good clinicians.”

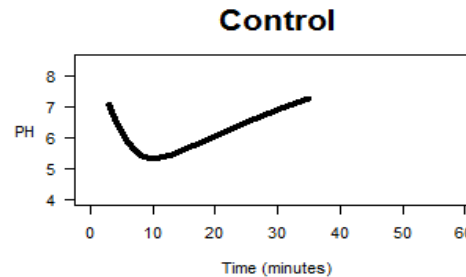
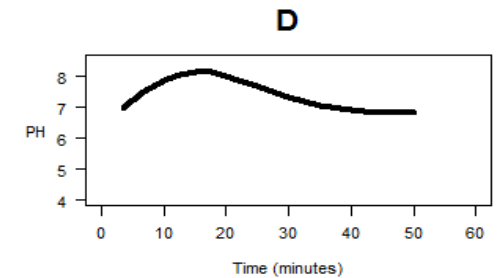
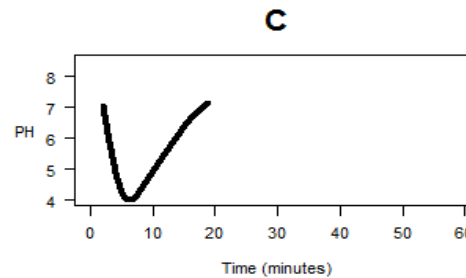
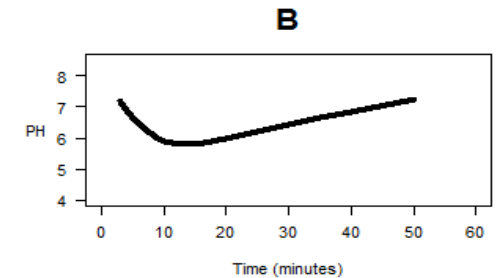
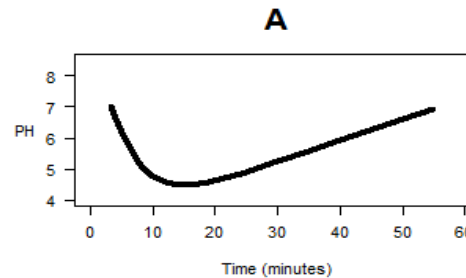
“It’s not radically different than previous exams and not any harder.”

“If you have paid attention and have studied to the best of your abilities for all the exams throughout dental school, you will not have a problem with this exam. Dental school prepares you for it.”

INBDE Sample Question

| |
|--|
| Patient |
| Female, 75 years old |
| Chief Complaint |
| “My mouth has been dry for over a month.” |
| Background and/or Patient History |
| Oropharyngeal cancer treated by radiation. |
| Current Findings |
| |

Which graph best shows the patient’s likely plaque pH response after drinking a sugary beverage?



Answer: A

Summary comparison of science areas covered by the new *Foundation Knowledge* and those currently covered on either Part I or Part II of NBDE*

* Note, that a science area potentially covered by the Foundation Knowledge **does not** mean it will end up with a substantial number of questions on the new exam. The size of the circle of a specific scientific field is **not** proportional to their relative representation on the exam. This is a qualitative analysis where all fields are considered equal. Related areas of science were consolidated in this summary slide.

Color code:

In green, those also covered on Part I of NBDE

In yellow, those also covered on Part II of the NBDE

In orange those not covered on either Part I or Part II of NBDE

in blue those covered on both part I and II of NBDE

Comparison of science areas covered by the new *Foundation Knowledge (FK1-FK10)* and those currently covered on either Part I or Part II of NBDE



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What Does it Mean for Dental Curriculum & Faculty?

Basic
Sciences



+

Clinical
Sciences



=

Integrated
curriculum



Building Elements for an Integrated Curriculum

Four-prong Approach...



Curriculum - level

- Create content that is suitable for integration
- De-bulk curriculum of overwhelming details that are out of context
- Create courses/infrastructure for vertical integration
- Train the Curriculum Committee the INBDE

Faculty - level

- Retrain yearly how to teach and test integrated curriculum
- Test-writing workshops for integrated questions - standardization
- Compliance with agreed-upon new policies
- Educating about new content on the examination

Building Elements for an Integrated Curriculum

Four-prong Approach...



Administrative - level (AL)

- Policies to support the new exam - timing, clinic entry, graduation, incentives/penalty
- The use of “patient box” in exams
- Modify ExamsoftR to accommodate the patient box
- Creation of a “Concept Map”
- Creation of a database for integrated questions - cumulative senior year OSCE
- Exam-question writing workshops

Student - level

- Orientation
- Training - every year - test practice
- Remediation and student support systems.

Q&A



Andrew I. Spielman, D.M.D., Ph.D.



David Waldschmidt, Ph.D.

Thank You!

- ✓ Please complete the post-event survey
- ✓ Recording available within 3 business days at adea.org/eLearn
- ✓ Upcoming webinar on OSCEs
September 13, 2018