



Exhibitor Hosted Session SOT 2019

DABT: The Value of Certification and Overview/Rationale for Revised Exam and Recertification Procedures



American Board of Toxicology



To establish a globally recognized credential in toxicology representative of competency and commitment to human health and environmental sciences.



To identify, maintain, and evolve a standard for professional competency in the field of toxicology.



- · Encourage the study and science of toxicology
- Stimulate advancement in the field of toxicology by establishing standards of practice and keeping these standards current with advances in toxicology
- Confer recognition upon members of the profession who, measured against such standards, demonstrate competence



ABT History

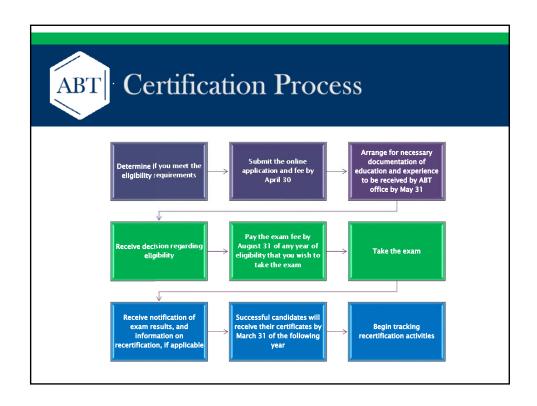
- Incorporated in Washington, DC in 1979
- First exam was given on August 4, 1980
- Exam has been given in 10 countries over the years
- ▶ 3543 candidates have passed the exam



ABT | Certification Best Practices

- The American Board of Toxicology Board of Directors is committed to conducting the certification exam in accordance with certification industry best practices.
- ABT is a member of the Institute for Credentialing Excellence (ICE) http://www.credentialingexcellence.org/
- The mission of ICE is to advance credentialing through education, standards, research and advocacy to ensure competence across professions and occupations.
- ▶ ABT regularly attends ICE's annual conference to keep up with best practices and trends in the certification industry.







Eligibility

 Doctoral degree in an appropriate scientific field and at least three years of full-time experience in toxicology

OR

 Master's degree in an appropriate field and at least seven years of full-time post-baccalaureate experience in toxicology

OR

- Bachelor's degree in an appropriate field and at least ten years of full-time experience in toxicology
- In each case, the applicant must have active involvement in the practice of toxicology within the year immediately prior to application



ABT | Application Process

- Applications accepted online only
- Deadline to apply for each year's exam is April 30
- All supporting documentation (transcripts, supervisor letters) due May 31
- Eligibility decisions typically sent out in late June
- Eligibility is for a period of 3 years
- All information available at <u>www.abtox.org</u> in the Candidate Handbook



ABT | Certification Examination

- A separate exam fee is due by August 31 in any year of eligibility in which the exam will be taken.
- It is administered once per year in October. This year's exam is Saturday, October 12, 2019
- The exam is paper/pencil
- Locations in 2019:
 - North Carolina
 - California
 - Scotland
 - India
 - Korea



ABT Examination Details

- Exam consists of 200 questions graded as a whole
- ▶ Two 3-hours sessions of 100 questions each to allow for a break
- Examination based on a practice analysis study of the knowledge required for general toxicology



ABT How Has the ABT Exam Changed?

- The Practice Analysis resulted in a delineation of the domains and tasks used in toxicology practice.
- ▶ The delineation was organized into Domains and Tasks, upon which the exam is now based.
- ▶ The exam was shortened from 300 questions to 200 questions.
- The exam is graded as a whole rather than in three separate parts as previously.
- ▶ The exam moved to questions with one single correct answer and only four answer choices.



- Survey conducted in collaboration with SOT in 2015
- Study of the knowledge required for general toxicology
- Data useful for all toxicologists
- Exam designed to reflect this knowledge
- Published manuscript is open access:

A practice analysis of toxicology. (2016). Regulatory Toxicology and Pharmacology, 140-146. doi:https://www.journals.elsevier.com/regulatory-toxicology-and-pharmacology



Domain/Sub-domain	% of Exam
I. Design, Execute, and Interpret Toxicology Studies	31
II. Descriptive Toxicology: Environmental, Clinical, Non-clinical, and Forensic Investigations	13
III. Mechanistic Toxicology	9
IV. Risk Assessment (Total, A through D)	<u>38</u>
A. Hazard Identification	13
B. Exposure Assessment	8
C. Dose Response Assessment	9
D. Risk Characterization and Management	8
V. Applied Toxicology: Public, Environmental, and Occupational Health	9
TOTAL	100

The full list and tasks for each domain are available in the Candidate Handbook on the ABT website



ABT The Making of the ABT Exam

- ▶ Each question undergoes multiple, rigorous reviews by a special Question Writing Committee of trained volunteers before being put into ACTIVE status.
- ▶ Each year, a preliminary exam undergoes more review by an Exam Committee, the members of which are also current ABT Board members.
- ▶ Each question undergoes even further review by the full ABT Board of Directors during their summer meeting.
- ▶ By the time a question reaches the final exam, it has been reviewed a minimum of 8 times.



ABT Exam Question Format

All questions are multiple choice with a single correct answer

Example:

What is a major life-threatening effect following poisoning with phenol?

- A) optic neuritis with permanent blindness
- B) severe gastrointestinal irritation
- C) esophageal stricture
- D) fatty degeneration of the liver



ABT After the Examination...

- Exams are graded electronically.
- Exam statistics are thoroughly analyzed and discussed by the ABT Board.
- The passing score is based on a Standard Setting exercise. Details can be found on the ABT website about this process.
- Results are sent out in late November.
- Unsuccessful candidates are given feedback on how they performed in each Domain.
- ▶ Candidates whose eligibility has expired must reapply and pay the application fee again.



ABT Recertification Basics

- Certification as a Diplomate of the American Board of Toxicology® (DABT) is for a period of five years
- Process is the same for all diplomates
- ▶ Applications are due by March 31 in the fourth year of a recertification cycle.



Recertification Overview



Maintain employment in the field or otherwise show the active practice of toxicology.



Documented continuing education – 100 credits over 5 year period



Literature Review Process - consists of reading select openaccess materials and answering questions about them



ABT Recertification Tips

All Recertification Information can be found in the Recertification Manual on the ABT website.

- ▶ 20 Continuing Education credits are needed each year
- ▶ There are many ways these can be earned.
- ▶ SOT and other organizations offer free webinars in addition to paid courses
- ▶ Track CE as it is earned!!!



Benefits of Certification



- · Advantage in the job market/salary enhancement
- · Recognizes broad expertise in general toxicology
- · Recognized worldwide
- · Enhances credibility in consulting and legal testimony.
- · Job Listing Service



- Objective demonstration of breadth and current knowledge of a toxicologist
- · Recognized by national registries in EU

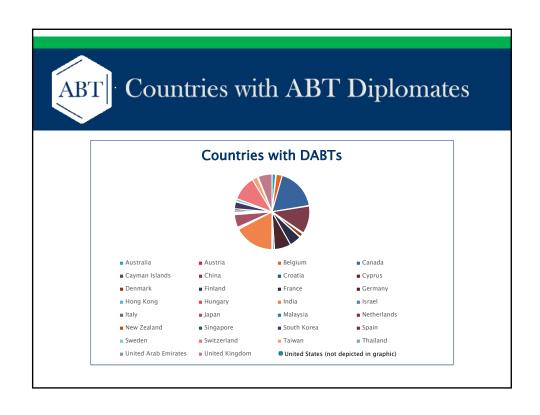


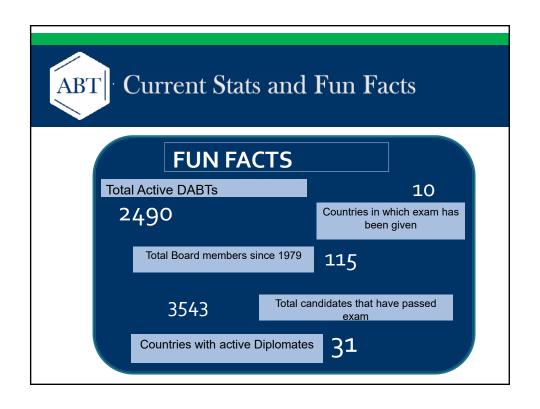
Provides world-wide recognized standard for competence and current knowledge in general toxicology



ABT | IPhone and Android Practice App

- ▶ Redesigned in 2018
 - Questions match new exam format
 - Categorized into domains from practice analysis
 - Price lowered
- Over 400 questions
- Search for ABT Exam Practice on iTunes App Store and Google Play







ABT	ERT	ATS
Diplomate of the American Board of Toxicology (DABT)	European Registered Toxicologist (ERT)	Fellow of the Academy of Toxicological Sciences (Fellow, ATS)
Requirements	Requirements	Requirements
One of the following combinations of education in toxicology or a related field and full-time professional experience in the active practice of toxicology in one of the following combination: • Ph.D /3 years of experience • Master's/7 years of experience • Bachelor's/10 years of experience • AND Successful performance on the ABT certification examination	participation in the field of toxicology AND Be admitted to a National Register	 Relevant Education, both formal and continuing Evidence of professional practice of toxicology Professional recognition AND Admission to the Academy after peer review of and approval of credentials by the Board of the Academy



Facebook: facebook.com/DABTExam

Interesting videos, fun facts, updates

Twitter: @ToxicologyExam

- · Tuesday Trivia questions
- Updates and deadlines

LinkedIn:

https://www.linkedin.com/company/abtox/

Notice when jobs are posted on Diplomate portion of website



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P.O. Box 97786 Raleigh, NC 27624 T: (919) 841-5022 Email: info@abtox.org



Questions?