



ABLS Survey on the Impact of AI on Laser, Light and EBD Medicine and Medical Boards / Exams (27 respondents)

QUESTION 1: Do you foresee artificial intelligence having a significant impact soon on your practice?

Yes definitely	52%	14
Some impact	26%	7
Not much at this time	15%	4
No or not sure	7%	2
Total		27

Below are the three open-ended questions with short summaries for each about the range of responses followed by the actual responses (in no particular order).

QUESTION 2: Please comment on what you believe the impact of AI will be on your medical specialty and practice?

Summary: There were a few responses where AI was seen as having little or no, or even negative impact, such as creating unrealistic patient expectations. But the vast majority indicated AI would play a role with 1) *administrative assistance* (e.g., paperwork, notes, financial reporting and even marketing) and/or 2) *patient evaluation, treatment design and procedures planning*. Technologies, such as mapping and robotic assisted procedures, were only mentioned twice.

Medical transcription, AI phone answering

In cosmetic surgery.....AI is already a bust. 15 years ago we could get an image and modify it to show Pt. what they would look like after the rhinoplasty. The image would defy anatomy. Gives unrealistic expectations.

AI will not be impacting our practice much, since our clients are all individuals and require unique treatments for each client and each different treatment.

Scan, design

I think it can help in marketing, but also really hurt in the fact that patients will have no idea what is real (before and after pictures) vs AI, it is already difficult because social media shows so much stuff that isn't real or possible, giving patients false expectations.

I don't use AI. I am pretty sure AI is not going to do tongue and lip tie releases

Help in diagnosis and in individualizing the Treatment protocols

Procedure planning Greater precision in medical practice

Well informed patient

Helping in diagnosis and treatment planning

Will AI start injecting Botox and fillers and do the actual lasering via robots? I'm not sure. Maybe AI will help in mapping facial arteries in the future for a safer filler injections.

Absolutely everything

Notes and diagnostics

Medical scribing, documentation, marketing and financial reporting

More accurate diagnosis and outcomes assessment

Suggestions for treatment parameters. Aid in diagnosis.

Insurance contract evaluation. HR guidance and improved employment law compliance. Imaging evaluation.

Front desk, paperwork, writing and research etc

Help with marketing and writing notes

Patients are using Artificial Intelligence to do their own "research" and guidance - and rely on it and trust it even more than what the provider advises.

Electronic capture of the physician-patient exchange.

The questions and expectations of the patients change. Since their knowledge became easily accessible.

Diagnosis the lesions

Diagnosis, report writing, laser protocol design

May help to organize notes but unsure specifically in the veterinary field how much it will impact the practices

Automatic reimbursement and denial by AI... Robotic AI assisted surgery...

QUESTION 3: Please comment on what you believe medical specialty boards need to adapt to in the face of AI to best serve the medical community?

Summary: Of the 23 responses, 9 indicated none / not sure / don't know, or that practical knowledge / skills are what is important. The others indicated, 1) the need to help identify what is true information vs. AI disinformation, 2) added information about AI related topics including its use in administrative areas as well as patient consultations and procedure planning.

Unknown

Nothing!!

Research

Limit insurance companies from using AI to deny payments, etc

First we as doctors need to be collecting data through our patients and also individually about what information and disinformation is being generated by AI. We need to know the physics and know what can practically be offered - as in non-surgical realistic options.

I am not sure

Medical boards should updated to any new information.

Radiology, dermatology, hematology

We all need to learn how to use (and question- it's not right all the time) AI. Be careful w patient info

Medical specialty boards need to adapt by integrating AI education into curricula, establishing new certification standards, and focusing on ethical guidelines.

Unsure

NA

Safe, ethical use; how to discuss AI with patients

Double check all AI reports and recommendations

Concentrate on what we do and fundamentals to properly use the AI supplied assistance.

Laser practitioners need to have actual knowledge rather than than AI assisted knowledge of the laser therapies. Testing without AI is crucial to ensure an excellent and safe patient outcomes.

Hands on skills

Really not sure on this one

Not really sure

Photographic AI generated Laser/ EBD treatment protocol and the Parameter suggestions

Procedure planning Greater precision in medical practice

Establish AI use protocols to keep emotions and psychological importance

More training of the board members on AI

QUESTION 4: Will medical board's traditional study materials, books and exams need to change and if so, how?

Summary: Of the 24 responses, 7 indicated none or not sure. The other 17 said yes, and these spanned a board array of topics including information on apps, AI use in procedure planning, maintaining thinking skills vs. AI, how to integrate AI into practices, and exams may need to be in-person or proctored (presumably to avoid using AI to answer).

YES. Training on Apps and available programs

Try insisting on developing critical thinking skills over following textbook flow charts. Teach that the "Gold Standard" might not be so desirable in 10 years.

May be

Not sure

Most likely, to be determined.

Specialty maintenance of certification has moved from periodic exams {eg. every 5 years} to quarterly answering of questions based on journal articles that the physician would select.

I'm old fashion doctor and I'm happy with this.

Integrate AI to real practice

Yes. But it is always changing.

Yes, medical board materials and exams will need to change.

Having online notes with the paper notes would be helpful

No, basic foundations are still the same but delivery methods might needed to be changed more efficiently via AI assistance.

Study materials that use AI capabilities will help a lot to understand the physics of laser

It will be apart of pt doc exchange.

In person exams, no more remote or virtual without direct proctor

I do not know

Processing of data and application to specific cases rather than simple knowledge of facts.

Yes. Needs to be proctored exams -- even virtually to be valid. There are 3rd party proctoring that even high school kids take.

Yes, written exams unfortunately

Don't know

Examination pattern should be more robust, more practical oriented, along with traditional study material, books and exams, some practical aspects, online lectures, one to one mentorship should be offered to upgrade students knowledge and practice. Can be done country wide or region wide. I have shifted to India from Kuwait and at present Professor of Dermatology at MGH, Jaipur. Can manage the awareness, education, safe and effective practice of lasers and its training under ABLIS in my state, country or region. Similarly alumni/Diplomates should be involved in all countries for safe and most effective practice of Lasers & EBDs.

Procedure planning. Greater precision in medical practice.

Yes

Yes, regarding oral examinations

END OF SURVEY RESPONSES