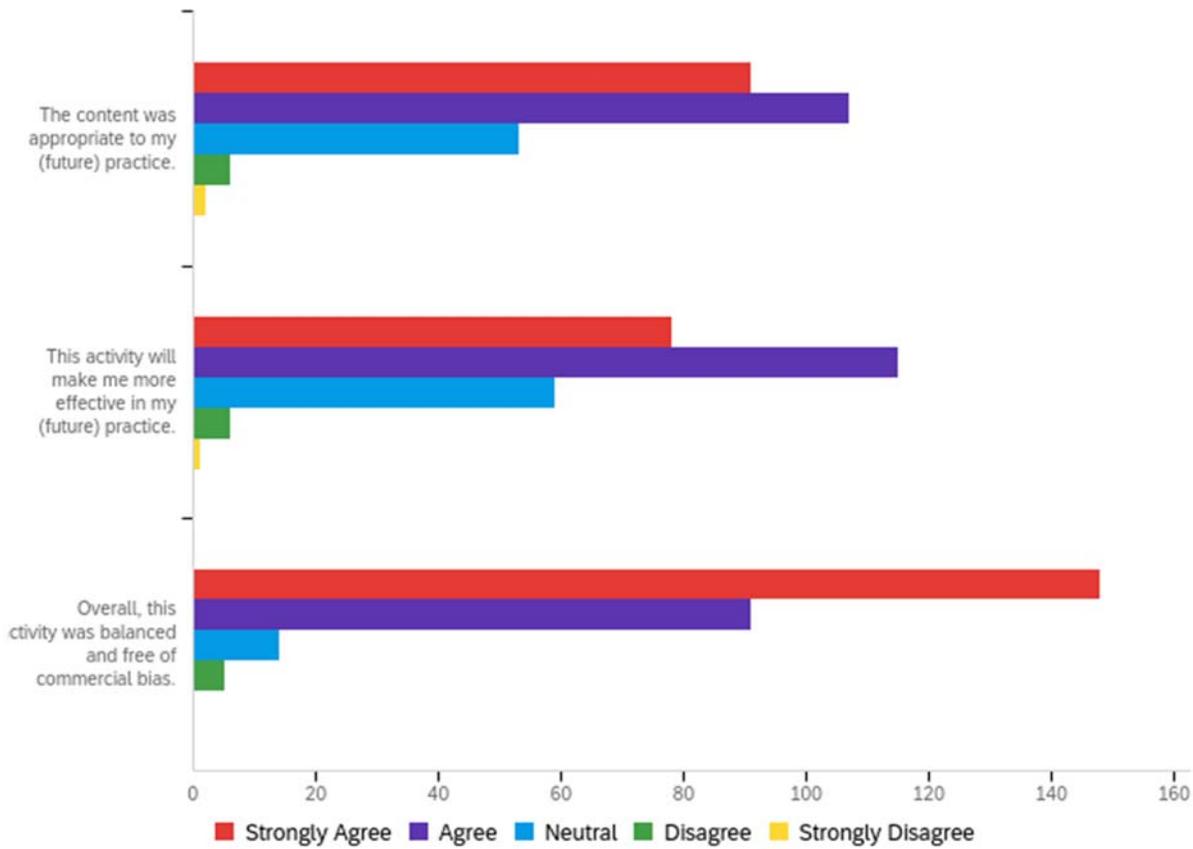


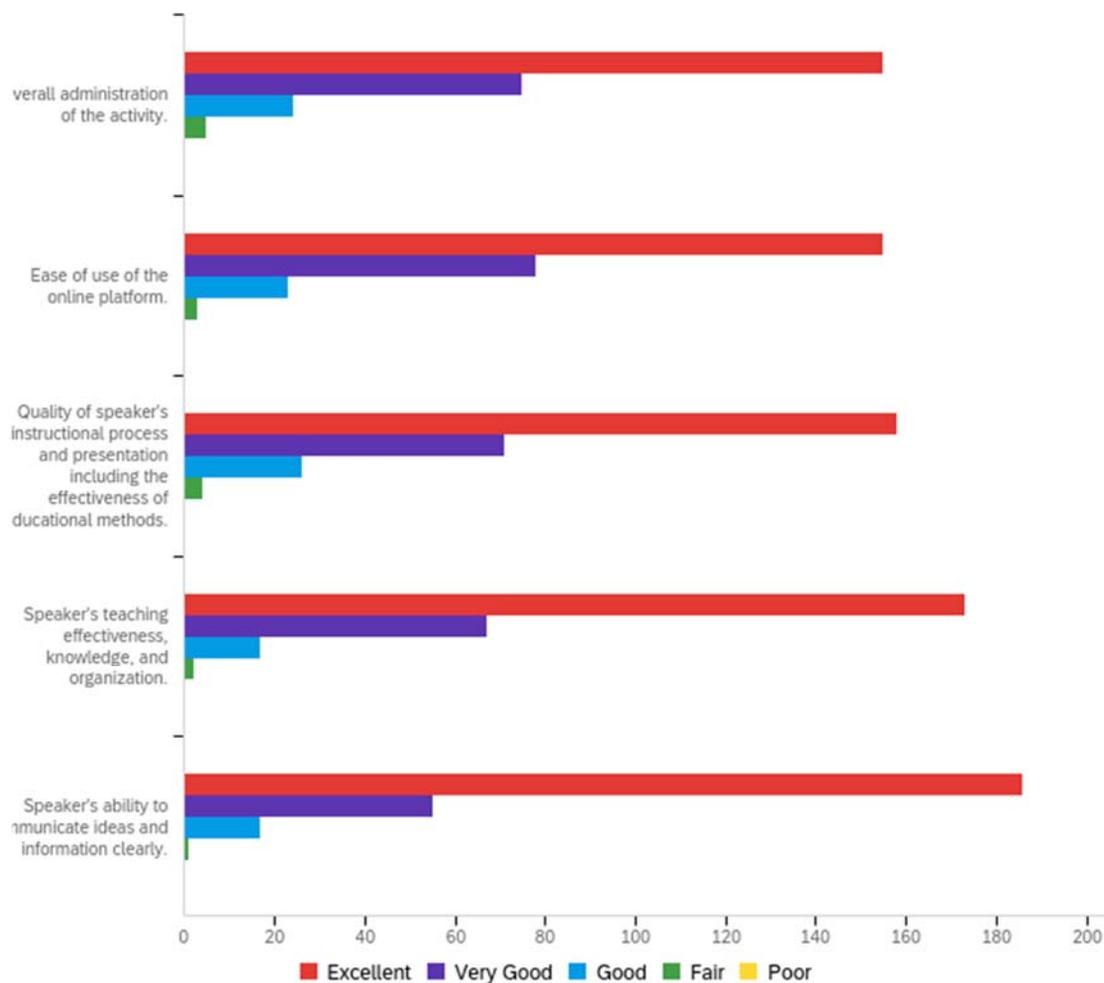
**Primitive Reflexes and Developmental Delays in Young Children**  
**Thursday, October 15, 2020 • 7 – 8 am**  
**Virtual**

**Please indicate the extent to which you agree with the following statements:**



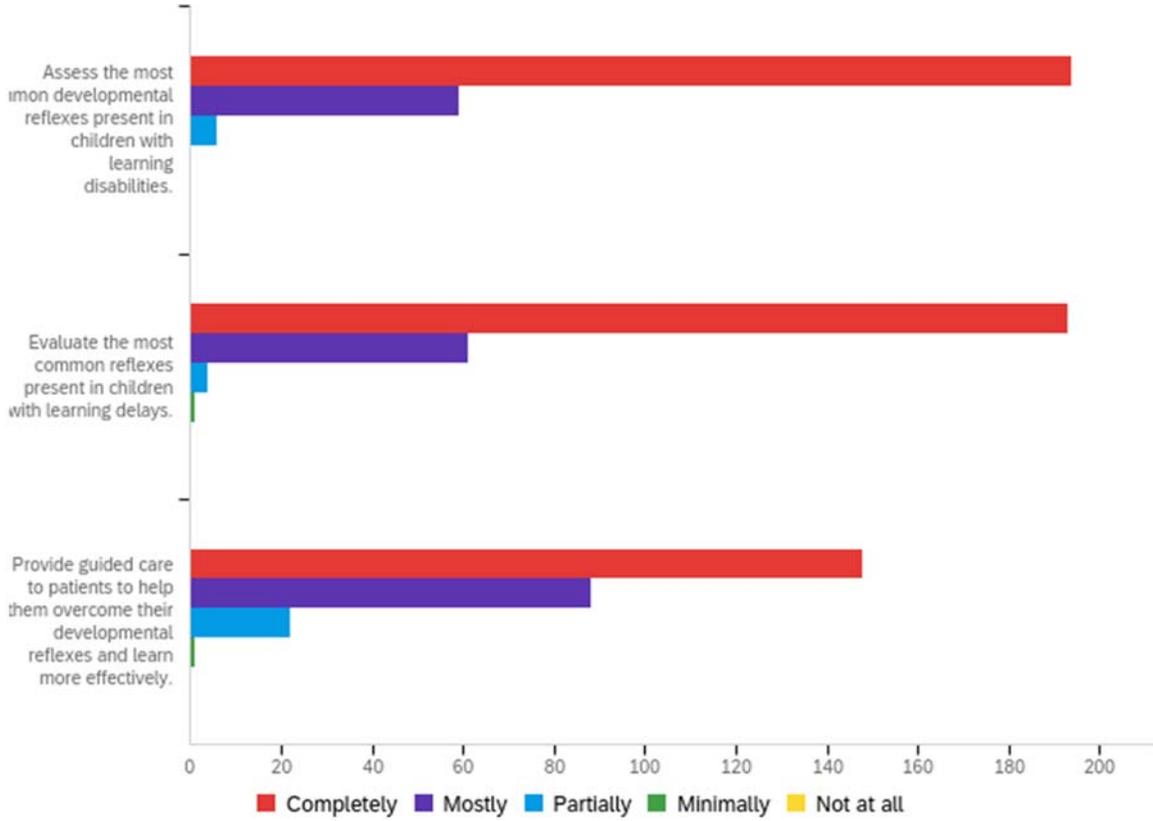
#	Question	Strongly Agree		Agree		Neutral		Disagree		Strongly Disagree		Total
1	The content was appropriate to my (future) practice.	35.14%	91	41.31%	107	20.46%	53	2.32%	6	0.77%	2	259
2	This activity will make me more effective in my (future) practice.	30.12%	78	44.40%	115	22.78%	59	2.32%	6	0.39%	1	259
3	Overall, this activity was balanced and free of commercial bias.	57.36%	148	35.27%	91	5.43%	14	1.94%	5	0.00%	0	258

**Please rate the following:**



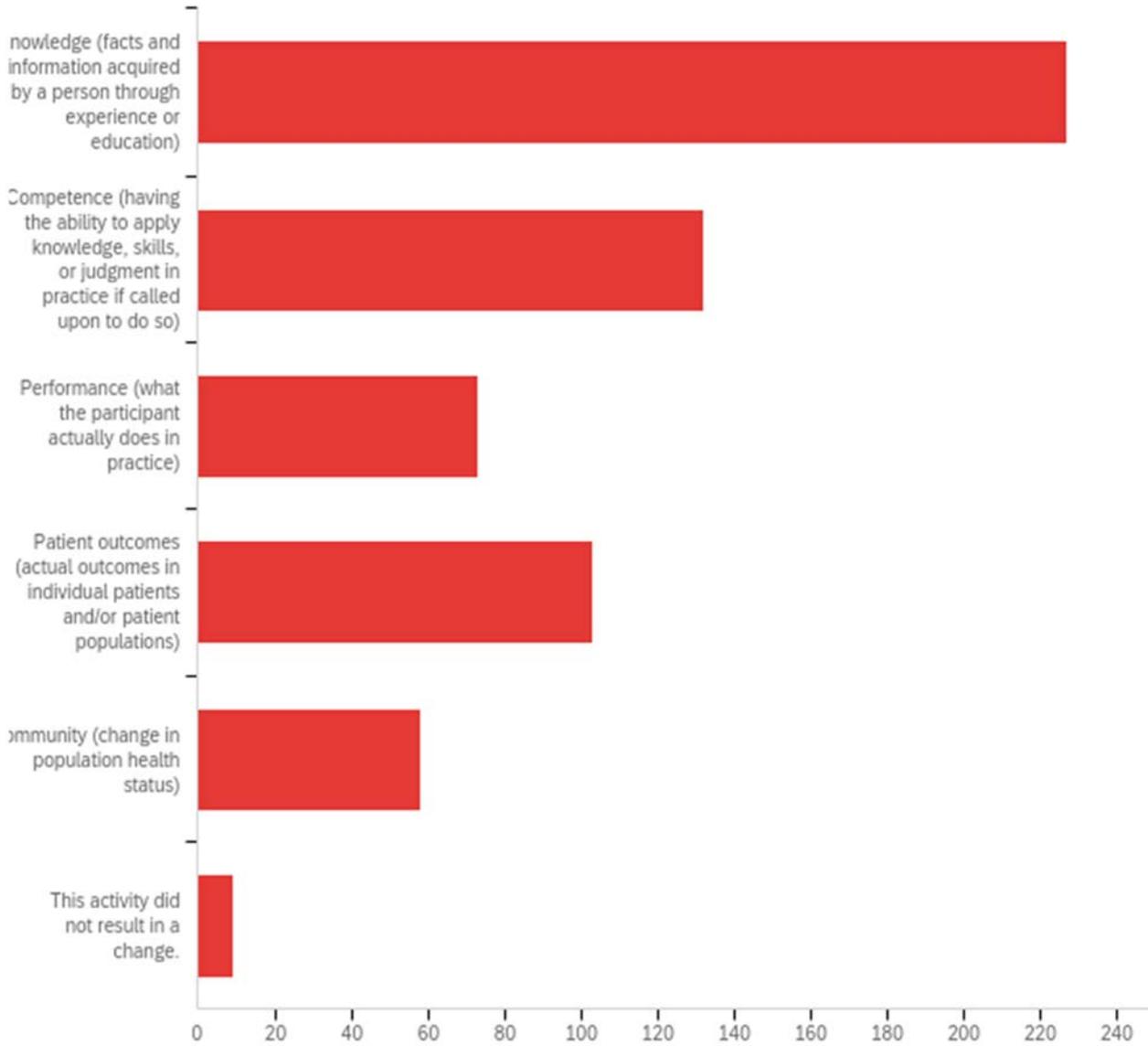
#	Question	Excellent	Very Good	Good	Fair	Poor	Total
1	Overall administration of the activity.	59.85%	28.96%	9.27%	1.93%	0.00%	259
2	Ease of use of the online platform.	59.85%	30.12%	8.88%	1.16%	0.00%	259
3	Quality of speaker's instructional process and presentation including the effectiveness of educational methods.	61.00%	27.41%	10.04%	1.54%	0.00%	259
4	Speaker's teaching effectiveness, knowledge, and organization.	66.80%	25.87%	6.56%	0.77%	0.00%	259
5	Speaker's ability to communicate ideas and information clearly.	71.81%	21.24%	6.56%	0.39%	0.00%	259

**Did the activity meet your expectations in accomplishing the stated objectives?**



#	Question	Completely	Mostly	Partially	Minimally	Not at all	Total
1	Assess the most common developmental reflexes present in children with learning disabilities.	74.90% 194	22.78% 59	2.32% 6	0.00% 0	0.00% 0	259
2	Evaluate the most common reflexes present in children with learning delays.	74.52% 193	23.55% 61	1.54% 4	0.39% 1	0.00% 0	259
3	Provide guided care to patients to help them overcome their developmental reflexes and learn more effectively.	57.14% 148	33.98% 88	8.49% 22	0.39% 1	0.00% 0	259

**This educational activity will result in a change in my (select all that apply):**



#	Answer	%	Count
1	Knowledge (facts and information acquired by a person through experience or education)	37.71%	227
2	Competence (having the ability to apply knowledge, skills, or judgment in practice if called upon to do so)	21.93%	132
3	Performance (what the participant actually does in practice)	12.13%	73
4	Patient outcomes (actual outcomes in individual patients and/or patient populations)	17.11%	103
5	Community (change in population health status)	9.63%	58
6	This activity did not result in a change.	1.50%	9
	Total	100%	602

**Please describe any 'pearls' or takeaway messages.**

- The idea that the primitive reflexes might be useful for development.
- Their persistence may interfere with development or prompt symptoms, and that there are ways to intervene on these reflexes is an interesting and appealing idea.
- I thought that the ways to look for the remaining reflexes were straight forward and easy to recognize so that will be really helpful even just with family and friends for now so that was nice.
- I found it fascinating that just treating the persisting reflexes could be so effective in treating learning disorders.
- I will definitely keep in mind that I should check for persisting reflexes when I am actually in practice.
- Really interesting that learning/reading difficulties and even symptoms of ADHD could be the result of persistent primitive reflexes.
- The presentation explored primitive reflexes, elaborated on ATNR and STNR with examples, and explained the developmental delays that are related to them.
- The novel approach for medical students to hear a different approach from a chiropractic angle was super nice.
- The importance of understanding common primitive reflexes and how they may present/persist throughout one's life if not addressed appropriately.
- As a future physician, being aware that the persistence of these reflexes in patients can potentially lead to learning disabilities, attention/focus difficulties, anxiety, and developmental delays will allow me to provide the best care possible.
- Engaging, interesting.
- Will refer patients if I don't learn how to treat these myself.
- Persistent reflexes cause a lot of motor and vision problems for children.
- This CME confirmed the problems I saw with over-diagnosing or treating young patients with Attention Deficit Disorder.
- While some patients may be suffering from true ADD/ADHD, it worries me when providers jump straight to medications for something that could be treated with manipulative therapy or by Chiropractors.
- I had never heard of these developmental delays so the whole presentation was eye opening.
- I was surprised with all the case studies and the reversal of reflexes.
- The last case study, where he said he fixed the MORO reflex and was able to see improvements in anxiety, balance and motion sickness was so interesting.
- I never thought something like anxiety or motion sickness could be fixed through fixing a reflex.
- It was interesting to learn about the behavior of infants and kids.
- I thought this lecture was very interesting.
- As a first year DO student, I had basic knowledge of developmental reflexes, but I never understood the implications of having them throughout life.
- I also didn't know you could actually treat these reflexes.
- I think it makes a ton of sense that the tracking and double-vision can cause learning impairment and that engaging the reflexes and having the kiddos do exercises at home to overcome the reflex will help those kids to be able to "catch up" and hopefully return to normal functioning much faster.
- Really fascinating experiences and knowledge from a chiropractor. I wasn't aware of the fact that they could do this.
- I did not realize that chiropractic medicine could help a child read better.
- Many early childhood "behavioral" issues can have other physiological causes.

- Malfunction in primitive reflexes can be a guide for clinicians to look for other underlying birth defects or deficiencies.
- Learning disabilities may be the result of persistent primitive reflexes.
- I learned how commonly these early childhood reflexes are carried over into other stages of childhood.
- I thought it was particularly interesting to see that these can present as trouble reading or paying attention. I had never considered this and will keep it in mind in the future.
- I had never heard of these reflexes or their potential effect on kids. Really had me thinking about how many kids get written off as having poor behavior when really, it's a primitive reflex at work!
- I found this topic so fascinating and it's incredible that different learning delays and disabilities can stem from children still having these reflexes and that chiropractors can do treatments to rid of these reflexes which then rids of the learning disabilities and delays.... I think that is absolutely incredible!
- I knew nothing about these reflexes sticking around, so the entire concept of the presentation is a takeaway for me.
- Primitive reflexes that are not extinguished at appropriate developmental stages may result in neurological and motor problems.
- These can manifest themselves in anxiety, poor attention to tasks, focusing, vision impairment, and motor issues.
- It was interesting to hear about common reflexes present in children with learning deficits and how slight manipulation can help correct or minimize the effects.
- I think it goes to show even more how important it is that different professions in the medical field work together to treat patients.
- Developmental delays that present could possibly be one of these reflexes and thus should be checked out prior to other treatment methods.
- Much of this information was new to me, but likely not applicable to future podiatry practice.
- The takeaway messages I took from this was to evaluate other causes of learning disabilities or developmental disabilities when thinking about why a child might be encountering these.
- This was a very interesting seminar!
- It is important to understand different primitive reflexes and how these reflexes change over time as the patient increases in age.
- It is important to know how defects in these reflexes correspond to developmental delays.
- The main takeaway I received from this presentation was the appearance and outcomes for patients suffering with defects in primitive reflexes and developmental delays.
- I had no idea that reading difficulties come stem from a reflex.
- Definitely something I can keep an eye out for in the future.
- Beautiful presentation!
- I did not have any prior knowledge regarding the persistence of primitive reflexes and their potential contribution to learning disorders before this presentation.
- When primitive reflexes are still present in older children this can cause learning disabilities and trouble focusing along with coordination problems.
- By evaluating for reflex abnormalities, we can predict and address learning disabilities that may appear as a child matures.
- A specific fact that stuck in my mind was that a baby who crawls early is not necessarily a positive sign!
- It is extremely important to recognize developmental issues in young patients.
- We can't jump into diagnosis when we don't know the possible causes of these.

- Every step in the neurological development of babies is important for their future development.
- There needs to be more people trained in this because the need is huge!
- I really enjoyed learning how children with reading issues can be adjusted.
- I think it is very interesting how our bodies can be tweaked, which can make a huge difference in performance.
- Neurological development has an extremely important impact in several aspects of life, and acknowledging the connection with reflexes and approaching them with specific manipulation/treatment strategies can significantly improve quality of life in areas such as reading, writing, intellectual abilities, and even the ability to manage stressful/uncontrollable situations like car sickness.
- It is important to make sure that the primitive reflexes go away because they can lead to developmental issues.
- I think the topic of primitive reflexes (and the failure to integrate those reflexes within a certain timeline) will be very enlightening for those looking to specialize in fields like pediatrics or neurology.
- I had no idea this was a problem that could be solved.
- How your innate reflexes can persist throughout life and lead to the different pathologies seen as we mature.
- How working to train your brain to overcome these persistent reflexes leads to such incredible improvement in a short time.
- One big takeaway I found was that this showed how much patients can benefit from seeing different specialists outside of their regular doctor.
- This lecture was so awesome! Learning about eye-tracking in correlation to these primitive reflexes was very interesting!
- Reflexes can remain throughout life, but with the help of therapy they can go away.
- I was very impressed with the progress his patients made after treatment for the reflexes, particularly the patient who stated it was the first time she was seeing clearly.
- Was good to know about my grandson and what could be going on with him.
- I believe that the main takeaway message I got from this Grand Round was the fact that reflexes can be identified in a practice/clinical setting and help identify some developmental abnormalities.
- I was very impressed by how well the treatments/alignments fixed the presenting problems.
- I did not know that primitive reflexes can persist into children and adults. I also was not aware of the implicit effects.
- The human body and the science we as future physicians will utilize continues to amaze me.
- Having a 5-month-old baby myself and having many family members with learning disabilities, it really opened my eyes that OMM techniques would be able to help with that significantly.
- That many learning disabilities may be misdiagnosed.
- It is really important for those primitive reflexes to go away. They can't just be ignored because the child is older than 4.
- Videos depicting the different persistent reflexes were the most informative to me.
- It was remarkable to SEE (through the videos) how the body's structure can have such a large influence on a person's cognitive and social domains.
- I was unaware of the connection between manipulation and neurologic disorders that would affect things such as reading and scholastic performance.
- This was super, super interesting to me. The idea of tying learning disorders, etc. to primitive reflexes made a lot of sense to me and opened my eyes to new ways to practice.
- The persistence of reflexes in children cause learning and focus issues.

- Primitive reflexes are much more important than I thought and it will benefit my future patients if I am able to recognize symptoms associated with abnormal primitive reflexes in childhood.
- A lot of children's educational deficiencies such as inability to read well or double vision can be altered or fixed through simple methods.
- It was very interesting to learn about how reflexes can be useful in infancy, but their persistence into late childhood and beyond can actually be detrimental to a child's development.
- I have never heard of primitive reflexes so this was very educational.
- The primitive reflexes like the MORO reflexes were a good review from other classes that looked over the information.
- I was amazed at how quickly some developmental delays were able to be overcome.
- This presentation was so incredible. Such interesting information!
- This was a really inspiring presentation.
- I was amazed at the outcomes Dr. Madsen was able to produce for his patients.
- These reflexes were definitely not something on my radar but seeing the wide range of symptoms that they cause that we will definitely be dealing with was eye opening.
- These symptoms are attributed to disorders that we are typically prescribed a pill for or brushed off to another specialist, when in reality, it seems that we can follow a more Osteopathic approach of using the body to fix itself.
- One thing Dr. Madsen mentioned was about if we notice motor delays in a child, be on the lookout for positive ATNR as that is one of the most common reflexes that persist. In addition, when he was discussing the MORO reflex's presentation of sleep issues and emotional distress, and how it can often be confused for ADHD will make me more conscious of my diagnosing children and being willing to step back and examine other possible causes for the symptoms.
- I thought it was very interesting and provided information I had not previously learned in great detail.
- Not only do these issues in reflexes effect infants as they are trying to grow and develop, but they also effect the individual throughout life. This includes delays outside of just physical movement, but also cognitively as learning disabilities. However, there are ways in which these patients can be helped in order to overcome these disabilities.
- When evaluating children in the office I will pay particular attention to primitive reflexes and if present with developmental delays refer for OMT.
- Gave me a better base in testing the primitive reflexes & what developmental delays may occur as a result of them still being present.
- Sometimes lingering instincts can present as learning disabilities and fixing them can resolve supposed disabilities.
- Really emphasized the importance of testing primitive reflexes and making sure they go away appropriately to prevent developmental and learning issues later on.
- It was nice to get a brief overview of some very influential developmental reflexes that I can now look for and evaluate in future practice.
- Reflexes need to get inhibited by a certain time.
- Individuals can develop with reflexes if they do not disappear.
- I wasn't aware of how serious the effects can be of primitive reflexes lingering later than they should.
- Demonstration if ATNR and STNR do not go away during early development.
- Key takeaway was the ability to use OMM to relieve symptoms and improve reflexes.
- Looks for persisting primitive tonic reflexes into patient care and patient assessment.
- As a future developmental pediatrician this was my favorite Grand Rounds so far!

- I think the biggest takeaway was that reading and learning disorders most often have a cause that is treatable!
- The fact that trauma can bring back reflexes.
- I had not realized that primitive reflexes could remain active.
- I thought this was fascinating! I've never heard of these reflexes connected to learning disabilities. I wish more people knew about this treatment as an option.
- Learning about the different reflexes in the children and how chiropractic care can help with these was amazing to watch. I think this is valuable to myself as a medical student for the future referral of patients.
- How these reflexes relate to ADHD
- It was interesting to see how these primitive reflexes being present later in life were correlated to learning disorders. I also learned that patients with dementia can have these reflexes resurface due to an inability to suppress them.
- It's fascinating to hear how many children diagnosed with "learning disabilities" or "reading difficulty" are actually just suffering from retention of primitive reflexes, and how quickly they can disappear through proper treatment.
- Learning about the primitive reflexes in general was helpful.
- How much these things can manifest in mental health like anxiety or ADHD
- It is not difficult to treat these persistent reflexes, though it takes patience and numerous dedicated visits. Furthermore, if these reflexes aren't fixed, it affects the patient's learning and ease of everyday life.
- It was very interesting and I can see myself using this with future patients and even my own kids
- Developmental delays can be seen as the continuation of reflexes and treatment of these reflexes can treat assist in treating the delays.
- The whole thing was super fascinating!
- I just thought it was interesting learning about the relationship between medial eye tracking and the persistence of certain reflexes, as I've never heard of this before.
- Reflexes can be a good sign for potential defects in learning and can be treated with proper techniques.
- I very much enjoyed having a DC present their specialty because it gave a very good different perspective from the programs at DMU. I think the best education is a well-rounded one that involves input from all disciplines of medicine.
- Prior to this presentation, I was unaware that the primitive reflexes might persist and cause lasting developmental difficulties. The videos demonstrating the vision instability with dysfunctional STNR was particularly dramatic and drove home the point that these reflexes could interfere with normal activities such as reading.
- Rooting reflexes can have a big impact on how we function if they do not properly go away.
- I was amazed by how quickly these developmental problems could be "fixed" or improved by fixing these reflexes. I never knew that these reflexes could contribute so much to developmental problems if they did not go away when they were supposed to.
- This presentation helped show me how to recognize reflexes that may be delayed and correlated to learning delays in children as well as how treating these reflexes can reduce symptoms of learning disorders. It was also interesting to hear that these reflexes may resurface in elderly patients with dementia due to an inability to suppress them.
- I liked having the exposure to chiropractic. Honestly, this was the first time I've been in a lecture led by a chiropractor.
- That primitive reflexes sometimes don't go away and have profound effects in a person's life.

- Demonstration of ATNR and STNR if they do not go away during early development.
- I loved being able to watch the videos and see the reflexes present in older patients.
- Very interesting to learn how much the sustainment of these reflexes past their typically time frame can impact learning abilities.
- The revisiting of the primitive reflexes like MORO reflex helped me reinforce this knowledge that was presented in other classes.
- It is important to recognize and treat abnormal primordial reflexes for children with learning disabilities.
- There are primitive reflexes that should be seen as a part of infant development, but even more important than that--those reflexes should disappear at certain times. When the reflexes do not disappear, it could be a sign of pathology.

**Please note any changes or improvements in your practice that you plan to make as a result of attending this educational activity. If no changes are identified, please explain why (program format, content not appropriate, nothing learned, etc.)**

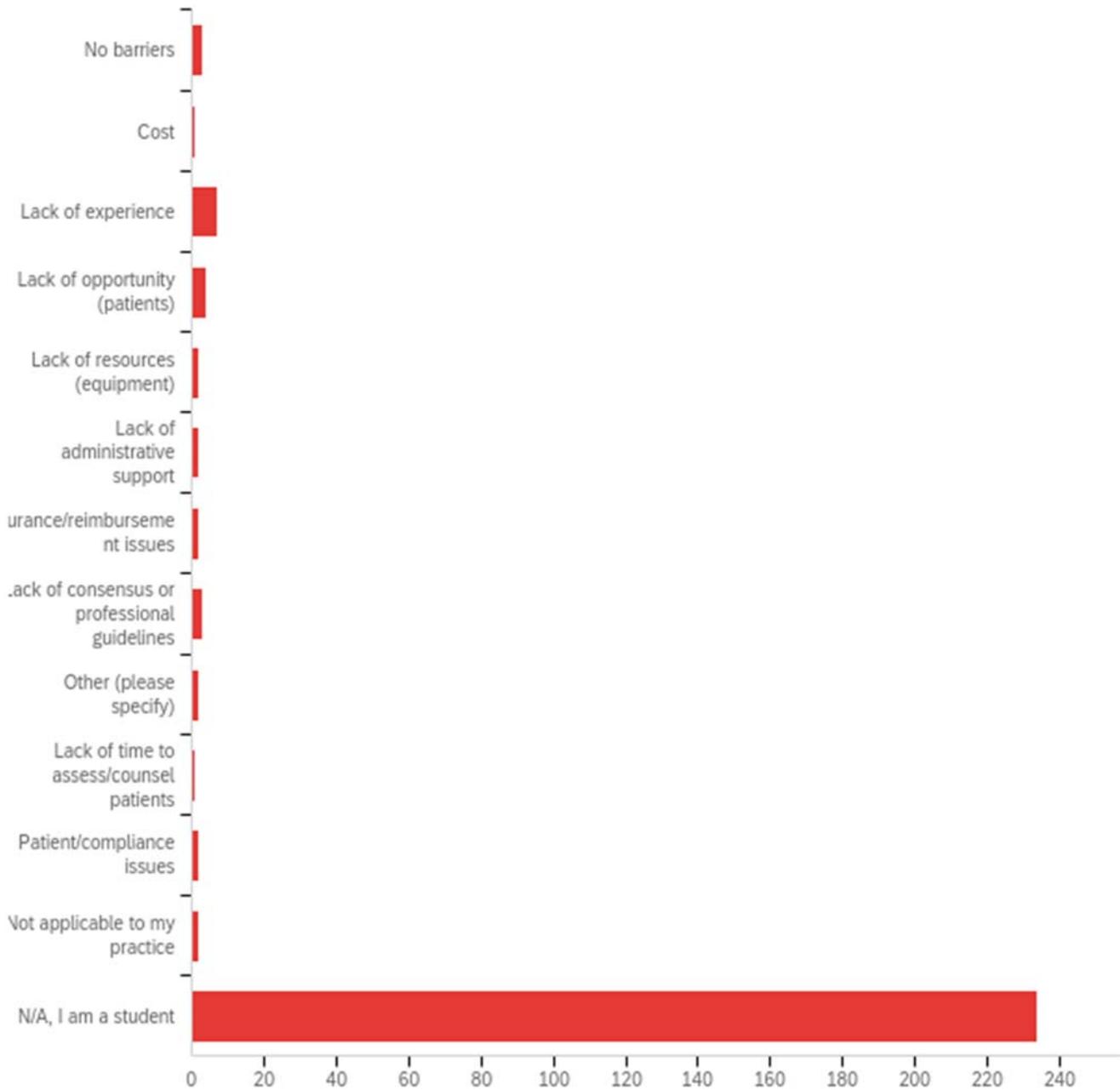
- I am intrigued with this concept and hope to look further into it. I took notes and am interested in looking at the resources provided and would like to do a literature search to see what data has been gathered on this topic.
- I would really enjoy learning more about how to diminish the reflex and work out the specific part of the brain the way Dr. Madsen does.
- It is possible that I would refer to more chiropractors for adjustments to begin correcting these reflexes if I were able to identify them or to ask if parents had thought of other reasons their child may be struggling in school should I end up treating children or dealing with family units in my practice.
- This is the first time I learned about these reflexes. When in practice, knowing these reflexes and the development delays related them can be useful in identifying the cause of such symptoms.
- While it was super informative, it did not touch on all of the medical treatments or other therapies with drug administration. It was a nice touch for OMM style assessments, but had very little medical relevance.
- As a first-year medical student, who has not yet begun clinical rotations, I am unable to apply the skills I learned from this presentation in my practice. However, this information will be very beneficial for me to look back on in the future.
- Something to keep in mind.
- As a student I hope to apply this knowledge to my future practice.
- Maybe more background before the videos we watched. And if the videos were muted and the presenter spoke about what was going on while watching, that could have been more helpful.
- Becoming a podiatrist, I believe that in I have a young patient that presents with neurological disorders or impaired reflexes, I could use techniques that chiropractors use, or even refer them to a chiropractor as a means of holistic medicine. The difficult part about referring them is that it might turn into an out of pocket payment, where if I was able to learn more about reflexes and how to treat them, it could benefit the patient quicker and most likely fall under insurance, making it a win-win for the patient.
- It will help me in my future as a physician.
- As a student who eventually wants to work with kids in the future and is currently studying OMM, I hopefully want to use some of my future manipulative techniques to treat some of these reflexes.

- As a future pediatric DO, I found this extremely applicable and intend to further investigate ways in which my future practice can potentially find ways to check for these reflexes at younger ages or after traumas to hopefully help my community.
- I will strongly consider referring to chiropractors when necessary.
- I've learned an additional resource that I can use as a referral in the future.
- As a future DPM, aside from being able to recognize these reflexes, I do not foresee a ton of overlap in my future practice in terms of diagnosing and treating patients, unless I am working closely with the baby's primary physicians.
- Make sure to evaluate for the persistence of these reflexes in children.
- I do not anticipate any changes being made; I don't see myself working explicitly with children.
- I think just keeping my out for these developmental things that may easily go unnoticed.
- I am still a student, but I think this topic is super interesting and would love to look more into it.
- If I decide to go into pediatrics, this is something that I will be aware of and may suggest that children with learning disabilities see a chiropractor as part of a treatment plan!
- I can hopefully observe these possible developmental delays in juveniles and refer them to therapies that are less invasive.
- I am currently a student, so I don't have a practice to implement changes on. Further, I am a DPM student so although interesting, this was not as relevant for me as it will be for the DO students.
- I do not foresee any changes being made in the future, this is mostly due to being in the DPM program.
- Since I am going to be a DPM I don't think it will apply very much to my specific practice. However, I do believe I will use this for myself and others to recommend they seek chiropractic care if they know of or have a child with any of the issues he was explaining.
- Knowing these issues exist and their associated signs would help me with referrals.
- It is important to understand multiple aspects of medicine even when working in a specialty such as podiatry. Developmental delays in young patients can directly affect primitive reflexes in the lower limbs.
- No changes will be made because I am just a student, but this could be beneficial for future practice.
- It was mentioned that children can sometimes be misdiagnosed as having ADHD vs a learning disorder secondary to primitive reflex persistence. I think this was very useful information and by doing a proper neurological assessment, this can help determine whether the right or left side of the brain is dysfunctional. This information would be very applicable in my future practice, especially since I am interested in specializing in pediatrics.
- I will be more observant for abnormally persistent primitive reflexes so that I might better help patients optimize their health and physical and mental functioning.
- This content will probably not be as applicable in the field of podiatry, but I can see the clinical correlations to treating any patients with present primitive reflexes that have not gone away. Although these will probably not be directly tested in podiatry, they can help explain why certain problems are present.
- We cannot catalog a child as problematic or disabled before closely analyzing the possible causes of their behaviors.
- In my future practice, I would like to partner with someone who has a specialty in primitive reflexes, so we can provide the best care we can for the patients. I think it is also interesting that these adjustments can be made to teenagers and adults.

- Although we deal with the nervous system as DPMs, we do not do manipulation in the sense that he was demonstrating. So, I will have better knowledge in the field, however, it won't necessarily be a part of my practice in the context of manipulation like DCs and DOs.
- Content not used often in podiatry.
- As a future podiatrist, not much that was talked about falls under my scope of practice.
- I am not sure what specialty I want to do yet. If I do OMM, then I think it would be incredibly helpful to incorporate this focus into practice. However, if I go into surgery, I'm not sure where this mode of diagnosis and treatment would be effective.
- As a physician, I will make referrals to chiropractors that can correct reflexes.
- I am a student, so it will not change my practice. That said, it will increase my knowledge, so it will improve my future practice indirectly!
- This lecture helped me identify common reflex patterns that are associated with failures in developmental milestones that are key to normal progression of children and adults. Thus, being able to accurately identify these in clinic - and appropriately treat - will help my future patients.
- Information relevant if I consider going into pediatrics.
- Being more attentive to these needs, and possible learning to treat them, or at least know who near me is trained to treat these conditions.
- I will watch for these reflexes, especially in neural-degenerating patients.
- Paying attention to what techniques and skills actually lead to progress in an individual's life is so important for efficient care.
- I am a DPM, the presenter did not discuss any foot/ankle related reflexes.
- This opened my eyes to how to approach learning disorders, etc. I want to use OMT to treat these things.
- I will be more aware of the reflexes presented in the grand round and apply it to my practice if I am a pediatrician or in family medicine.
- I am still a student so do not yet have a practice to apply these techniques to
- Being aware of primitive reflexes in the future would be helpful to my future patients.
- I do not have a practice, but I am more aware about the developmental delays that will help me in my future practice
- As a student, I don't have a practice yet but I will definitely be thinking about these things in the back of my mind when I have my own patients someday and can either perform these evaluations myself or at least know of a discipline that I can bring in to work with.
- As mentioned above, this lecture has made me more aware of how behavioral and attention disorders can be misdiagnosed, or incorrectly rated in terms of severity due to persistence of primitive reflexes. Going forward, I will question what is truly causing and/or contributing to these symptoms before making a diagnosis.
- No changes or improvements in practice now, because I'm a student. However, I think this information is useful and applicable in future practice.
- I can focus on looking for some of these abnormalities when doing any assessments for my own practice that I otherwise would not have been looking for. More referrals to chiropractic. He did not give any direct information about treatments.
- Not practicing currently, but may influence future practice.
- Knowing where to refer for these issues.
- Being aware of these reflexes and what they can cause will help me in my practice to watch for them.
- I learned about the ATNR, STNR, and Moro Reflex.
- I plan to include more OMM related to reflex development.

- This talk really brought to light an entire medical issue that I had never heard of before. It was really interesting to learn about primitive reflexes and their consequences. I can use this information in the future to identify persisting primitive reflexes to help patients to the highest standard.
- As a future developmental pediatrician, this presentation gave me a lot of ideas as to how to treat patients in my future practice. (No current practice to make changes, I am a student)
- Really interested in working with peds so this was really interesting.
- Referral of patients with similar disorders as a practicing physician.
- I am currently a student. However, this will help me know what to look for primitive reflex wise in my own practice one day.
- While we learned about recognizing primitive reflexes, we didn't learn much about treatment.
- Just potentially looking out for reflexes in older children and perhaps adults and connect the dots if they have learning disabilities.
- I believe in my future practice I will be utilizing the recognition of these primitive reflexes in my future practice.
- While not currently in practice, I hope to make an effort to remain vigilant for patient concerns that may be related to primitive reflexes.
- I think this presentation was applicable to my future as a physician because it will provide alternate ways to treat patients with learning and behavioral disabilities.
- Insight. Current student.
- Learned how to identify ATNR, STNR, and Moro Reflex.
- It would have been nice to include the care team, such as PT, DO, etc. and what each profession can do to help patients with learning disabilities.
- Not currently a practicing physician, but very interesting to share in the future with my patients.
- I do not have a practice yet, but this knowledge will help me become more informed.

Please identify any barriers that you perceive in implementing any changes. Select all that apply.



#	Answer	%	Count
1	No barriers	1.13%	3
2	Cost	0.38%	1
3	Lack of experience	2.64%	7
4	Lack of opportunity (patients)	1.51%	4
5	Lack of resources (equipment)	0.75%	2
6	Lack of administrative support	0.75%	2

#	Answer	%	Count
7	Insurance/reimbursement issues	0.75%	2
8	Lack of consensus or professional guidelines	1.13%	3
9	Other (please specify)	0.75%	2
10	Lack of time to assess/counsel patients	0.38%	1
11	Patient/compliance issues	0.75%	2
12	Not applicable to my practice	0.75%	2
14	N/A, I am a student	88.30%	234
	Total	100%	265

Other (please specify)

- Time available to look this up and learn more will be my biggest barrier I believe.
- I think a lot of times people are reluctant to seek chiropractic care. I hope with further education we can help eliminate that issue.

**How will you address these barriers in order to implement these changes in your practice?**

- Put on the to do list and work on efficiently getting through it.
- I will further educate anyone I encounter on how chiropractic care works and direct them to a chiropractor that can answer any further questions they may have.
- I believe that the majority of the patients I will see will be elderly whereas most of the patients in this presentation were young children and infants. I will encourage the local community to bring in younger patients to be able to apply information learned during this educational activity.
- I will seek more educational opportunities and other providers with more expertise to refer to.
- I am not with this type of information. I am doing case management work.
- I will try to do appropriate research on resources before I begin practicing as a physician in the future.
- See if more resources available in community to offer to patients.
- Look for a course or read one of Sally Goddard's books.
- Assess patients for these problems.
- I will keep this knowledge in the back of my mind when working with pediatric patients for possible diagnosis's.
- I am only a first year DO student, but I do not know though I hope that these tools will be supported by administration in a family medicine practice clinic.
- At this early point in my education I am leaning towards surgical practice for a career.
- I anticipate there will be fewer opportunities to routinely assess and treat these conditions if patients present for specific surgical concerns.

## Do you have any unanswered questions or additional comments?

- To answer my questions would have taken another couple of hours probably. I was probably most interested in the data behind the thoughts mentioned.
- I was interested in the assessment and treatment (which was touched on to some degree).
- Dr. Madsen did a fantastic job presenting this material! He was a great speaker and I really enjoyed the topic that he discussed.
- Very good presentation! Happy I was able to listen in.
- The presenter did a great job.
- I wish he would have spent more time talking about the treatment methods of these reflexes.
- Enjoyed the video demonstrations of the different reflexes.
- Nope, just the desire to learn more!
- Thank you!!
- Please tell Dr. Madsen thank you and job well done!
- This was fantastic.
- Overall this was a great presentation and I really enjoyed it. For this and future presentations, I notice that when speakers try to speak over videos it usually does not work unless the video sound is turned down. This may just be an issue with our COVID times.
- Dr. Madsen's PowerPoint was very grainy, and the host's (Christina's) mic was nearly impossible to understand.
- Love having this over zoom!
- I think this presentation was great.
- The volume between Dr. M talking and his videos were very different, with the videos being much louder.
- If anything, I do wish the presentation went more in depth as to how the change in reflexes occurred and how the manipulation actually works in terms of physiology and the connectivity since these reflexes occur as a result from some sort of brain deficit.
- Since I am a student I was wondering as a provider if we will learn to assess these reflexes as well and be able to right appropriate referrals if needed? Or if providers are even able to write referrals to chiropractic care?
- I really enjoyed this presentation as I find chiropractic's interesting and helpful in terms of manipulative medicine. Thank you!
- It was a good presentation!
- Why is this therapy not more widely available?
- Very interesting!
- It was good to learn about this.
- Thank you!
- That was a really cool Grand rounds, thank you!
- I was interested in knowing more about how to treat/eliminate these primitive reflexes.
- Great presentation.
- I would love to see more of an explanation on the physiology of this but that would have been too long for this lecture.
- Thank you for a great presentation!
- Great presentation!
- This speaker was very quiet, and I could not hear him over his videos at times.
- I would love to hear about more specific diagnostic and treatment maneuvers (in addition to general principles like neuro exam, exercises, etc.) for early/persistent primordial reflexes.