

DAUBERT HEARING

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IN RE: SEILER

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1 THE COURT: You guys ready to proceed?

2 MALE SPEAKER: Yes, Your Honor.

3 THE COURT: Let's go right to the
4 witnesses.

5 MALE SPEAKER: Commonwealth calls
6 Dr. Karl Citek.

7 (WITNESS DULY SWORN)

8 THE COURT: Thank you, sir. Have a seat
9 right there.

10 THE WITNESS: Thank you, Your Honor.

11 Q. Dr. Citek, state your name for the record,
12 please.

13 A. Karl Citek.

14 Q. And where are you from, Dr. Citek?

15 A. I currently live in Hillsboro, Oregon,
16 just outside of Portland.

17 Q. Okay. Can you tell the Court about your
18 educational background?

19 A. Yes. I have a Master of Science and
20 Vision Science degree from State University of New
21 York, College of Optometry. I have a Doctor of
22 Optometry degree from the State University of New
23 York, College of Optometry. And a Doctor of
24 Philosophy degree in Vision Science from the State
25 University of New York, College of Optometry.

1 Q. Okay. And who are you currently employed
2 by?

3 A. I'm a full-time faculty member at Pacific
4 University College of Optometry in Forest Grove,
5 Oregon.

6 Q. Okay. And do you have any specific
7 licensure?

8 A. Yes. I'm licensed to practice optometry
9 in the state of Oregon.

10 Q. Okay. Are you a member in any
11 professional organizations, sir?

12 A. Yes. I'm a fellow of the American Academy
13 of Optometry. I'm a member of the American
14 Optometric Association of the Optical Society of
15 America, of the Association of Research and Vision
16 Ophthalmology and some local societies and local --
17 local organizations, as well.

18 Q. Okay. Have you done any research into the
19 effects of alcohol and/or drugs on the central
20 nervous system?

21 A. Yes, I have.

22 Q. Okay. And what are those? Have you done
23 any peer review papers?

24 A. Yes, I have. Two studies that have been
25 published, one in 2003 investigating the effects of

1 posture, posture of the subject on the -- conducting
2 the HGN test and the (inaudible) Horizontal Gaze
3 Nystagmus Test, excuse me, looking to see if there
4 was a difference if the subject was standing versus
5 seated versus laying down. And we determined that
6 there was none. And also we did a study that was
7 published in 2011 looking at the effects of sleep
8 deprivation, being awake for at least 24 hours to
9 see if it -- if that would have any effect on the
10 field sobriety tests, including the HGN test, and we
11 concluded also that there was none.

12 Q. Okay. Did you do anything with regard --
13 or have you done -- or participated in any research
14 or any studies with regard to DRE?

15 A. Yes. We've published a paper in 2001, I
16 believe that was, looking to see whether Drug
17 Recognition Officers could use just face sheet data,
18 just the objective data that was -- that is gathered
19 during a DRE evaluation to see if they could
20 determine first if the data were consistent with
21 impairment being present. If the officers could
22 identify that. And then if they could draw an
23 opinion as to what might be the impairing substance
24 if impairment was present. We found that with just
25 looking at the face sheet data alone, not seeing the

1 suspect, not speaking with the arresting officer nor
2 anyone else that the officers did a very good job,
3 much better than chance would predict on recognizing
4 that impairment was present and also, for the most
5 part, calling the correct -- forming a proper
6 opinion as to what drug possibly could be causing
7 impairment.

8 Q. Have you published any other articles
9 besides these?

10 A. Certainly. Numerous articles in other
11 fields and other related fields to my profession and
12 my job, but all unrelated to field sobriety testing
13 and HGN and DRE.

14 Q. Have you ever lectured on the effects of
15 alcohol and/or drugs on eye movement?

16 A. Yes, I have, numerous times. I've lost
17 count, I think it's well over 150, maybe 200 times
18 over the past 15 years, including here in the
19 Commonwealth of Kentucky several times.

20 Q. Okay. Have you previously been qualified
21 as an expert in any hearings or court cases?

22 A. Yes.

23 Q. Okay. Have you ever been qualified as an
24 expert in any hearings or court cases in the state
25 of Kentucky?

1 A. Yes, I have.

2 Q. How many?

3 A. I think on last count it was three
4 hearings -- three hearings and a consultant to the
5 prosecution in one hearing where I wound up not
6 testifying.

7 Q. When you said hearings are you referring
8 to Daubert hearings?

9 A. Yes, I am, sir.

10 Q. Okay. And what counties were those?

11 A. If I remember correctly it was Nelson
12 County, Hart County and Jefferson County.

13 Q. All right. Can you tell the Court what's
14 the difference between an optometrist and an
15 ophthalmologist?

16 A. An ophthalmologist is a medical doctor who
17 goes through four years of medical school, learns
18 about general anatomy and physiology and the body.
19 And will then do a residency that lasts anywhere
20 from one to three years after medical school.
21 During that residency the ophthalmologist learns
22 about diseases of the eyes, doing surgery on the
23 eyes. For the most part, treating eyes, treating
24 significant problems with the eyes. Using drugs
25 either on the eyes directly or systemically, and of

1 course also doing surgery.

2 Optometry, on the other hand, is an
3 independent health profession. We go through full
4 undergraduate education and four years of optometry
5 college which involves much of the same background
6 training, the anatomy and physiology of the eyes and
7 of the body, same as the ophthalmologist would get,
8 but with specific emphasis on recognizing and
9 treating certain diseases, but also recognizing how
10 the eyes work together and how the eyes work with
11 the brain. As much of a perceptual function and
12 such that optometrists, yet specifically that most
13 ophthalmologists, and here I'm generalizing because
14 I know there are exceptions, but most
15 ophthalmologists do not get.

16 Q. Okay.

17 MALE SPEAKER: Judge, if I may approach
18 the witness.

19 Q. Dr. Citek, if you can, can you identify
20 that document for me, please.

21 THE COURT: He's representing you already
22 have a copy.

23 MR. SUHRE: Yes. Yes, sir.

24 A. Yes. It is a copy of my curriculum vitae.

25 Q. And who prepared that?

1 A. I did.

2 Q. And is that curriculum vitae up-to-date
3 for the most part?

4 A. Reasonably so. There are a couple of
5 recent -- it has all of my peer review publications
6 in here. It does not have some of the recent
7 trainings that I've spoken at, but for the most
8 part, yes.

9 Q. And does it fairly and accurately reflect
10 your educational background and work experience as
11 well as your lecture series and publications?

12 A. Yes, it does.

13 MALE SPEAKER: Your Honor, we'd move to
14 introduce Commonwealth's A.

15 MR. SUHRE: No objection.

16 THE COURT: Admitted.

17 Q. Dr. Citek, I'm also handing you a series
18 of three documents here. Can you identify those for
19 the Court, please.

20 A. Yes. One is the paper that I published
21 along with some of my colleagues in 2011, and that
22 was entitled Sleep Deprivation Does Not Mimic
23 Alcohol Intoxication on Field Sobriety and Testing
24 is one of the studies that I referred to earlier.
25 The other is Nystagmus Testing in Intoxicated

1 Individuals. This was the study from 2003 that I
2 referred to earlier. And the last is a monograph
3 that was put out by the American Prosecutors
4 Research Institute published in 2003 with background
5 information on the HGN test, and how optometry would
6 fit into the role of supporting law enforcement.

7 Q. Would you --

8 A. And the conduct of the HGN testing, excuse
9 me.

10 MALE SPEAKER: Your Honor, I move to
11 introduce as Commonwealth's B.

12 MR. SUHRE: Collectively as B?

13 MALE SPEAKER: Collectively as B.

14 THE COURT: Be admitted.

15 Q. Doctor, if you can, tell the Court about
16 eye movements and what we've been calling HGN or the
17 Horizontal Gaze Nystagmus test?

18 A. Certainly. The Horizontal Gaze Nystagmus
19 test is a screening test that in this context that
20 officers will do commonly at roadside, or maybe in
21 some other situations like drug recognition expert
22 officer might do this at a station house as part of
23 the DRE evaluation. But it is a screen test to
24 determine if certain substances that have known
25 effects, known and consistent effects, on eye

1 movement, those substances are present in the
2 individual being tested. Those substances of course
3 include central nervous system depressant drugs of
4 which alcohol is one, inhalant substances such as
5 volatile solvents, volatile organic compounds that
6 you might find in paint or glue, and also anesthetic
7 gasses, and also as well dissociative anesthetics
8 including phencyclidine or PCP and dextromethorphan.
9 They all have similar effects on parts of the
10 central nervous system that control our eye
11 movements.

12 Eye movements -- the HGN test, in general,
13 is not a problem with the eye muscles, it is a
14 neurological problem. What controls the eyes and
15 the positioning and movement of the eyes are nerves
16 that begin in the brain stem, which is the upper
17 part of the spinal cord, that's one part of the
18 central nervous system, that's where the ultimate
19 control and neurological impulse to the eye muscles
20 comes from. What controls the brain stem, what
21 controls nerve centers that are located in the brain
22 stem includes the cerebellum, which is a processing
23 center, or integration center of the central nervous
24 system. The cerebellum combines information from
25 other sensory -- from multiple sensory systems such

1 as vision when we see, our hearing and balance, and
2 also appropriate perception or touch. And depending
3 on the inputs from those, for example, it will
4 direct the eyes to move in a certain way or to
5 maintain position in a certain way. What
6 intoxicants, and I'll use the term broadly, as
7 broadly as possible, what the relevant intoxicants
8 will do in this case is disrupt how the cerebellum
9 and the brain stem function. As such, an individual
10 may be able to maintain his eyes when he's under the
11 influence may be able to maintain his eyes in a
12 straight ahead position without movement, but if he
13 tries to move his eyes to the side or maintain
14 looking off to the side he may not be able to do
15 that very well. If he does not do that very well,
16 in general the eyes will drift back towards center
17 and then move back quickly in the direction which
18 the individual wants to look. This happens
19 rapidly enough, and that rapid movement is termed
20 nystagmus.

21 The intoxicants that I mentioned
22 consistently, when they're at a high enough level
23 for the individual will consistently cause nystagmus
24 in a number of different ways. One is to cause
25 nystagmus becomes a significant nystagmus when the

1 individual tries to look as far to the side as
2 possible, what's typically known as maximum
3 deviation or end point nystagmus. Another is to
4 cause nystagmus when the individual is looking at
5 some position closer than, not quite as far but
6 closer than maximum deviation, that's typically
7 referred to as gaze nystagmus, or sometimes gaze
8 evoke or gaze induced nystagmus in the medical
9 literature, those are all synonymous terms.

10 In addition, at a high enough level for --
11 at a high enough level of intoxication for the
12 individual, those substances may cause vertical
13 nystagmus where an individual looks straight up the
14 eyes have difficulty maintaining that upward
15 position, drift down and then bounce up as it were.
16 So those are different types of nystagmus that will
17 be caused by intoxicants.

18 In addition, and even early, even prior to
19 the causation of those types of nystagmus, the drugs
20 will affect smooth pursuit ability. Smooth pursuit
21 eye movements occur when an individual tries to
22 follow a target that is moving relative to him, so
23 either the individual is stationary and the target
24 is moving across his visual field, or the target
25 might be stationary and the individual might be

1 moving. A relevant example might be if you're
2 driving down the road and trying to read a sign that
3 is posted on the side of the road, as you're driving
4 past it to be able to read the sign and see all of
5 the small letters or numbers that might be on the
6 sign you need to use smooth pursuit eye movements,
7 otherwise your eyes would not be able to stay on the
8 target and you would not be able to see what was on
9 that sign. So this is directly relevant in the
10 driving scenario. If smooth pursuit is not possible
11 when there's relative motion between the observer
12 and the target, then the eye movement system will
13 use the faster movement on the saccade, and that's
14 spelled S-A-C-C-A-D-E. That fast eye movement
15 changes the position of the eyes very quickly but it
16 does not allow vision, it does not allow visual
17 perception during the movement.

18 One of the first things that occurs with
19 intoxication, even at low levels, is loss of that
20 smooth pursuit ability. So if a target moves across
21 an intoxicated individual's visual field, or field
22 of view, then rather than moving smoothly across the
23 field, the eyes will seem to bounce or jerk across
24 the field much like the analogy that I like best is
25 a windshield wiper moving on a dry windshield. The

1 rubber catches and then moves very quickly, as
2 opposed to smooth pursuit movements which will look
3 like a windshield wiper on a wet windshield, moves
4 smoothly across that. The Horizontal Gaze Nystagmus
5 test, itself, involves first testing -- well, prior
6 to the start of the test an officer should conduct
7 certain pretest checks. Those are designed to
8 ensure that -- that the individual does not have
9 some type of injury, either to the eyes or maybe to
10 the body or brain that would preclude doing any
11 parts of the test. Those pretest checks include
12 checking for equal tracking to make sure that the
13 eyes can move together and that they have full range
14 of motion. Well, the officer will also check to see
15 if the pupils are roughly equal in size. If they
16 are not, that could indicate a head injury of some
17 sort, whether it's an external injury or an internal
18 injury like a stroke. And the officer will also
19 check to see for presence of what law enforcement
20 community calls resting nystagmus. What medical
21 community refers to as nystagmus and primary gaze.

22 What an officer does not expect to observe
23 in an intoxicated individual is nystagmus when the
24 individual is looking straight ahead. Intoxicants
25 generally do not cause nystagmus with an individual

1 simply looking straight ahead. That usually would
2 be an indication of some type of medical condition.
3 Now, whether it's a disease or a congenital
4 condition that the individual is born with, or
5 because of injury, obviously the officer can't make
6 that distinction, we're not asking him to. But, in
7 general, then, the officer would not continue with
8 the test because you might not be able to
9 distinguish what is causing the nystagmus. It
10 may -- and intoxication may or may not be present.

11 So those are the pretest checks first, so
12 checking for the presence of equal tracking,
13 checking for roughly equal pupil sizes and making
14 sure that resting nystagmus is not present. Then
15 the officer will actually conduct the test.

16 The stimulus is typically held 12 to 15
17 inches from the suspect's eyes, and there has been
18 research done to see if other test instances have
19 any bearing on the test, either further from the
20 suspect or closer to the suspect. Basic conclusion
21 is that, no, it does not. 12 to 15 inches is a
22 comfortable and very safe distance for the officer
23 to conduct the test, because it maintains about an
24 arm's length distance of the officer from the
25 suspect but allows the officer to remain in control

1 of the suspect. Anything farther away, the officer
2 is not in control of the suspect. Anything closer
3 the officer comes unsafe -- must come then unsafely
4 close to the suspect. So 12 to 15 inches is
5 protocol, but if it's done at a different distance,
6 it really will not affect the test that much, not
7 appreciably, let's say.

8 The officer will move the stimulus first
9 to the suspect's left, checking the left eye for
10 lack of smooth pursuit. Then he'll move the
11 stimulus at a speed of approximately 30 degrees per
12 second. If the head is still, the eyes can turn to
13 either side by an angle of approximately 60 degrees.
14 So it should take about two seconds for the officer
15 to move the stimulus to the suspect's left. That's
16 a speed of approximately 30 degrees per second. And
17 then the officer will move to the suspect's right,
18 all the way to the right. Covering a -- the space
19 of approximately 120 degrees, they'll do that in
20 about four seconds, again maintaining a speed of
21 about 30 degrees per second.

22 As such, as soon as the officer crosses
23 across the middle, he'll change his attention from
24 looking at the left eye to looking at the right eye
25 to see that individually both eyes either have

1 smooth pursuit eye movements or they do not. The
2 officer will do these movements checking each eye
3 twice. About 10 percent of otherwise normal sober
4 individuals are not going to be able to follow with
5 smooth pursuit eye movements at that speed at which
6 it has is conducted. So they will be seen to have
7 lack of smooth pursuit even when they're sober.

8 The deciding factor there, the
9 component -- the main component there is we must ask
10 why the officer requested the test to be done in the
11 first place. Keep in mind that the HGN test is a
12 screening test, it is not going to be proof -- proof
13 positive of intoxication or sobriety. But if
14 indicators are present that an officer knows to be
15 consistent with intoxication, then -- or if they're
16 absent they would be consistent with sobriety, the
17 officer would make the appropriate call.

18 In all cases, the officer must have prior
19 to conducting the HGN test or any other field
20 sobriety test the officer must have some reasonable
21 suspicion of impairment, either bad driving that is
22 consistent with intoxication, physical indicators
23 like bloodshot watery eyes or odor of alcohol on the
24 breath, or other physical indicators such as
25 fumbling for the license when being asked to

1 retrieve it, or even not being able to answer
2 questions while retrieving the license, or not being
3 able to retrieve the license while being asked --
4 while answering questions.

5 Q. If he doesn't have this preamble that
6 you're looking for, he won't have nystagmus
7 problems?

8 A. Well, the -- if -- if the individual has
9 not previous -- has not prior to the start of the
10 test exhibited any signs or indicators that an
11 officer is taught to be consistent with
12 intoxication, then the officer would never request
13 to do the test in the first place. At least all the
14 trainings that I've done with officers all around
15 the country, I know that the instructors instruct in
16 that manner, and I have taught that, as well.

17 Q. Dr. Citek, is that the same predicate then
18 for administering any other standardized field
19 sobriety test like the walk and turn or the one leg
20 stand?

21 A. Yes, it is.

22 Q. Okay. And in legal short term, I guess we
23 would call that probable cause to do the test,
24 you're to believe the person is under the influence
25 to begin with; is that correct?

1 A. I think it's reasonable suspicion of
2 impairment.

3 Q. Reasonable suspicion. Okay.

4 A. In Oregon we're a little bit strange
5 because we call that probable cause as well, but we
6 mean reasonable suspicion and it's --

7 Q. So, you know, an officer pulling over
8 someone, say just on a routine traffic stop for
9 speeding, if you're -- the way you train, or the way
10 you've been training is that if they don't suspect
11 alcohol or drug involvement or some sort of
12 impairment, then they wouldn't administer this test
13 even to begin with?

14 A. Correct.

15 Q. Okay. So, if I was just doing 25 miles an
16 hour over the speed limit and I didn't smell like
17 alcohol, I was just driving fast, the officer most
18 likely would not give me that test?

19 A. There would be -- I would see no reason
20 for the --

21 THE COURT: Well, what if he does without
22 that preamble, you don't -- you think there's
23 something else that caused the nystagmus problem?

24 A. Well, there could be other things that
25 cause nystagmus. There are very few things, other

1 than intoxication that cause the types of nystagmus
2 that the officer is looking for. So that's the
3 first thing. But if the officer were to do that,
4 and were to write in his report and admit to you
5 under oath that he did not have any of those other
6 indicators present, that you just wanted to do the
7 test just to see what would happen, I think you,
8 Your Honor, you'd rightfully conclude he was on a
9 fishing expedition, and regardless of the results
10 you probably would not let that case go forward.

11 THE COURT: We're not here about probable
12 cause, we're here about whether or not nystagmus,
13 in and of itself shows alcohol -- is caused by the
14 alcohol influence, right?

15 A. Correct. But we have to distinguish the
16 different types of nystagmus.

17 THE COURT: Okay.

18 A. So the different -- as I mentioned before,
19 the different types of nystagmus that an officer
20 expects to observe are usually not consistent with
21 any other conditions or injuries or diseases. They
22 might be individually, but not as a totality, not in
23 their entirety.

24 THE COURT: I don't understand.

25 A. Well, if I may, the -- so the first clue

1 that an officer would check for is lack of smooth
2 pursuit. Yeah, that's not a type of nystagmus,
3 that's just an out of line eye movement but it's
4 part of the HGN test. In general, at low levels of
5 intoxication that will be the first clue that will
6 be evident, that will be present. An officer should
7 expect to observe that if he truly believes that
8 intoxication is present. The second clue, the
9 second test then is to check for distinct and
10 sustained nystagmus at maximum deviation. This is
11 the nystagmus that occurs when someone looks all the
12 way to the side, as far as possible to the side. At
13 this point the officer moves the stimulus out to
14 that maximum lateral extent for a minimum of four
15 seconds.

16 In general, the nystagmus will be very
17 easy to detect, and it must sustain, it must be
18 constant during that entire testing period and that
19 entire testing time. There is a phenomenon that
20 about 50 to 60 percent of normal sober individuals
21 will exhibit referred to as end point nystagmus.
22 They look out to the side and try to hold their eyes
23 out to the side. They'll have a couple of bounces,
24 a couple of real quick movements of nystagmus. They
25 usually will be small in amplitude, therefore not

1 distinct, and they usually go away within one to two
2 seconds so it's not sustained.

3 So if an officer were to observe that,
4 nystagmus was initially there but went away while
5 the suspect was continuing to look to the side, you
6 would say the clue that he's looking for is absent.
7 Even though there was some nystagmus initially, the
8 actual clue he's looking for, it must be sustained.
9 It must continue for the entire testing period, not
10 just one or two seconds. So that's a -- that's the
11 hallmark distinguishing component there on that
12 test.

13 The third component of the HGN test is
14 checking for the onset of nystagmus prior to 45
15 degrees. Here, the officer will move the stimulants
16 very slowly at about half the speed or less at which
17 he conducted the lack of smooth pursuit component of
18 the test and look for the first presence of
19 nystagmus before he would get to approximately a 45
20 degree angle. 45 degree angle can be very easy to
21 estimate and very easy to practice, whatever
22 distance you are from the suspect's eyes, that would
23 be the distance that the stimulus would need to move
24 over, and that would describe a 45 degree angle.

25 So if the officer holds the stimulus 12

1 inches from the suspect's eyes, you'd need to move
2 12 inches over to describe that 45 degree angle. In
3 general, that's going to be about an inch or so
4 beyond the shoulder for most people, for most
5 average sized individuals. If that is present,
6 again, the gaze nystagmus as I referred to earlier,
7 if that is present, then the third clue will be
8 present. In general, yes, there are exceptions, but
9 in general for everyone I've seen, if an individual
10 has onset of nystagmus prior to 45 degrees because
11 of intoxication, he will also have nystagmus at
12 maximum deviation, he will also have lack of smooth
13 pursuit. If someone has gaze nystagmus, that onset
14 prior to 45, without the earlier clues being
15 present, then I would attribute that as a medical or
16 neurological condition. And that's what I mean by
17 the totality, that someone who has a medical or
18 neurological condition may exhibit one or another of
19 the clues, but they'll be there in isolation.

20 So someone could have lack of smooth
21 pursuit naturally when sober. Someone could have
22 gaze nystagmus naturally, someone could have
23 vertical gaze nystagmus naturally, but if they have
24 it in isolation without any of the other clues, and
25 certainly without any other indicators that would be

1 consistent with intoxication, then the officer will
2 rightfully not conclude that the suspect is impaired
3 because of intoxication. There could be something
4 else causing the impairment but not intoxication.
5 It could be -- yes?

6 THE COURT: What effect do they think
7 they have on the cerebellum?

8 A. It depends, it could be -- they could have
9 an effect on the cerebellum --

10 THE COURT: Would blood pressure affect
11 it?

12 A. It should not but maybe blood pressure
13 medications might.

14 THE COURT: Say that again.

15 A. Blood pressure medications, the drugs that
16 someone takes. Because it affects blood flow, yes,
17 sir.

18 THE COURT: And you don't really -- I
19 mean you're not a neurologist?

20 A. No, sir.

21 THE COURT: So a lot of things could
22 affect it that maybe you don't know, or --

23 A. Well, there are --

24 THE COURT: Any diseases like Parkinson,
25 onset of Parkinson, onset of blood pressure

1 problems, stuff like that? Could that affect it if
2 it's undiagnosed?

3 A. No, it will not, sir.

4 THE COURT: Will not?

5 A. Will not.

6 THE COURT: Does brain disorders?

7 A. They are but they're not going to affect
8 the brain in the same way that intoxication does.

9 THE COURT: Okay.

10 A. So, yes, there may be other effects, there
11 may be other noticeable physical impairments, but
12 not as far as the eyes are concerned.

13 THE COURT: Okay.

14 A. Yeah.

15 THE COURT: Meniere's disease?

16 A. Any problem with the vestibular system
17 could certainly cause nystagmus.

18 THE COURT: But I have that.

19 A. In which case I may be able to describe
20 your situation reasonably well. It could be any of
21 a couple of things. Let's see if I can pull up my
22 crystal ball and then try to do that. Any condition
23 that affects the inner ear, whether it's an inner
24 ear infection or a disease such as Meniere's, or
25 endolymphatic hydrops or benign paroxysmal position

1 vertigo, anything like that, could potentially cause
2 nystagmus.

3 In general, though, the nystagmus that
4 will result will occur -- will appear differently
5 than what an officer expects to observe with
6 intoxication, or it will occur under test conditions
7 different than what an officer expects to observe,
8 expects how to conduct the test.

9 With Meniere's, for example, and hopefully
10 you don't have episodes frequently, and hopefully
11 they don't last very long. But when you do not have
12 an episode, you're not expected to have nystagmus.
13 Physically, physiologically, you should be normal.
14 When you do have an episode, you may not be able to
15 maintain your balance. You may not be able to stand
16 upright. And if someone were to look at your eyes,
17 there's a good chance that you probably would have
18 nystagmus in the resting position when looking
19 straight ahead. That's the most likely scenario
20 while an episode is actually occurring. But if
21 there's no episode, no one would ever know.

22 THE COURT: So, if you're dizzy, can't
23 really balance, it almost looks like you're drunk.

24 A. Correct. But if the nystagmus is present
25 in the resting position, that's an immediate -- an

1 immediate clue to the officer that something else is
2 going on here because he's not expecting to observe
3 that if intoxication were the cause. So, yes,
4 impairment --

5 THE COURT: You're talking about a pretty
6 well-trained officer.

7 A. All the officers receive this type of
8 training. They are told -- they're taught what to
9 look for, how it should appear, and they all will go
10 through what are commonly referred to as alcohol
11 workshops or wet labs, testing both sober
12 individuals and individuals who are dosed to certain
13 levels of intoxication to see these effects live.
14 So that is the common training, that is what I
15 commonly know as training in trainings I've
16 participated in, that is commonly done. So, yes,
17 it's not something that the average individual would
18 be aware of, but a properly trained officer should.
19 Now, with regard to -- I'm sorry?

20 THE COURT: I don't want to interrupt his
21 presentation there.

22 MALE SPEAKER: No, go ahead.

23 A. With regard to other types of inner ear
24 problems, either nystagmus will be present when
25 looking straight ahead, or it might be present only

1 when the head is tipped to the side or back. That
2 type of movement, that type of posture for the
3 suspect is inconsistent with how the officer is
4 trained to conduct the test. So the officer does
5 not ask the suspect to tip his head to the side or
6 to tip it back, and what we demonstrated with our
7 research that we published in 2003 was that if a --
8 if a subject is laying on his back and the head is
9 in line with the body, not turned to the side in any
10 way, then even if there is a vestibular system
11 problem, it will not cause nystagmus that would be
12 mistaken for intoxication. So those are the main
13 differences there.

14 Q. So, Doctor, I mean, if I can summarize to
15 address the Judge, essentially, if nystagmus is
16 possible with these other neurological conditions,
17 most likely they'll present in different ways?

18 A. Absolutely, yes.

19 Q. Or they'll present under different testing
20 circumstances that the officer's not trained to do?

21 A. Yes.

22 Q. You had gotten to, I believe, I think we
23 covered gaze -- max deviation and gaze nystagmus.
24 Did you present everything on those two?

25 A. Yes, I did.

1 Q. And also smooth pursuit?

2 A. Yes.

3 Q. Is there any other components to the
4 horizontal gaze nystagmus test that the officers are
5 trained to do?

6 A. Not to the horizontal gaze nystagmus test,
7 no.

8 Q. Okay.

9 A. There is another -- another field sobriety
10 test, the vertical gaze nystagmus test which I
11 mentioned earlier, that was originally part of the
12 DRE protocol, and as of -- I believe the date was
13 2002, it became part of the standardized field
14 sobriety testing. Because it does involve
15 nystagmus, but now nystagmus in up gaze, at maximum
16 up gaze position, it is conducted along with,
17 immediately after the HGN test, but it is not a part
18 of the HGN test, nor does it -- nor is it going to
19 be influenced by the HGN test.

20 In general, if vertical gaze nystagmus is
21 present in an individual because of intoxication,
22 then the officer will have noticed, will have
23 observed at least four clues, four out of the six
24 possible clues on the HGN test, regardless of the
25 level of intoxication. And the one thing that I can

1 say for certain because I've seen it in the -- all
2 the different subjects that participated in our
3 various research projects and also alcohol workshops
4 that I've attended, if vertical gaze nystagmus is
5 present, it demonstrates a high level of
6 intoxication for that individual. So for someone --
7 for a non-drinker or someone who is not used to
8 drinking very much who might be at an .05 or .06,
9 that person could have vertical gaze nystagmus.

10 In someone who has a little bit more
11 familiarity with consuming alcohol, vertical gaze
12 nystagmus may not be present until he gets to a .10,
13 point 10, or point 12 or even higher than that.
14 Nonetheless, the relevant clues of the HGN test will
15 be present, should be present if the vertical gaze
16 nystagmus was caused by intoxication.

17 Q. Does a -- okay, how many clues are there
18 for the HGN test?

19 A. Six.

20 Q. Six. Do all six clues have to be present
21 for an officer to opine that someone is under the
22 influence?

23 A. No.

24 Q. Okay.

25 A. What the research has shown, and what I've

1 conducted and collaborated in my research is that
2 the presence of at least four clues is consistent
3 with a blood alcohol concentration of .08 or higher.
4 It does not prove .08 or higher, it absolutely does
5 not prove that, certainly not beyond reasonable
6 doubt or anything, but it is consistent with it.
7 Most -- the majority of individuals who demonstrated
8 at least four clues will have a .08. I have
9 personally seen individuals --

10 THE COURT: What's majority mean?

11 A. More than 50 percent.

12 THE COURT: Okay.

13 A. Okay. So more than 50 percent of
14 individuals who are at .08 or higher will -- let's
15 just say .08 or higher will demonstrate -- will
16 exhibit at least four clues on the HGN test.

17 THE COURT: And almost as many won't do
18 that at all?

19 A. Almost as many -- I have seen individuals
20 under .08 demonstrate all six clues plus vertical,
21 I've seen individuals over .08. I think the highest
22 was a .12, demonstrating fewer than four clues, even
23 zero clues. There are going to be individual
24 differences in physiology. Not everyone and not
25 everyone's body responds exactly the same as the

1 majority do, but if we're speaking about a general
2 test to be applied, HGN is going to be the most
3 consistent overall across any population, across any
4 age group, across any ethnicity.

5 THE COURT: More likely than not.

6 A. More likely than not, yes, sir. And
7 that's the whole point of the test, it's a screening
8 test to allow the officer to form the opinion that
9 yes, the individual's impaired and that intoxication
10 may be the cause. So, in legal terms to develop
11 probable cause for arrest and then to properly and
12 lawfully request the proper pinnacle sample, whether
13 it's breath, blood or urine.

14 THE COURT: Okay.

15 Q. So with that said, you liken this to
16 essentially the same thing as another field --
17 standardized field sobriety test to prove the NHTSA,
18 like a walk and turn, because it has the same
19 purpose?

20 A. It has -- yes, sir, it has the same
21 purpose.

22 Q. Okay. Does a person know when he or she
23 has alcohol induced nystagmus?

24 A. In general, not. They might be able to
25 identify that they're not seeing clearly, they're

1 not seeing well, they're not able to read a sign or
2 something, but they may not -- I mean, generally not
3 be able to identify that their eyes are actually
4 moving, or moving quickly or continuously.

5 Q. Okay. Do contact lenses affect results of
6 the HGN?

7 A. The only way that they would is to maybe
8 reduce the amplitude, the amount of movement of the
9 nystagmus, or even the frequency of the nystagmus.
10 In patients who have either congenital nystagmus or
11 nystagmus for some other condition such as albinism,
12 patients I've seen personally, if they need an
13 optical correction, if they need some either glasses
14 to be able to see clearly in about half of the
15 patients that I've seen personally, if I can get
16 that correction into a contact lens and have them
17 put on a contact lens rather than spectacles it will
18 reduce their nystagmus. It will make them more
19 cosmetically acceptable, even though it might not
20 improve their vision.

21 Now, some patients have reported to me
22 that they feel that their vision is improved, but on
23 objective testing such as reading the small letters
24 on a visual acuity chart there's really no
25 difference. I don't see the difference. But they

1 feel better about it, and they look better because
2 the eyes aren't moving as much. Contact lenses have
3 never been known or demonstrated to cause nystagmus
4 in someone who would not have it normally.

5 Q. So essentially they're more likely to
6 create a false negative as opposed to a false
7 positive?

8 A. Correct.

9 Q. Does poor eyesight affect the ability, an
10 individual's ability to do the HGN test?

11 A. No, it does not. The HGN test is not a
12 vision test per se. The officer -- the stimulus
13 that the officer uses is a fairly large stimulus
14 when it's held at that close distance of 12 to 15
15 inches. It's either the finger or pen cap or a
16 finger over a pen light. It's not a pinpoint, not a
17 pinpoint or some small letter or anything else.

18 In general, the officer will ask a suspect
19 who is wearing glasses to remove the glasses so that
20 the officer can see the eyes properly and so that
21 the suspect can see the stimulus properly over the
22 maximum extent of the movement. If the -- as long
23 as the suspect can see the stimulus, can see the
24 rough outline of the finger or the pen cap or the
25 pen light, that is sufficient. It's not necessary

1 for the suspect to be able to see that clearly.

2 Q. Okay. Under what settings have you
3 observed police officers use the HGN test?

4 A. Certainly in training situations such as
5 alcohol workshops and various seminars for officers
6 and prosecutors that I've participated in even here
7 in the state of -- especially here in the state of
8 Kentucky, we often bring in an individual who is --
9 or several individuals who might be dosed during the
10 seminar and then we test them afterwards. I've also
11 been on ride-alongs and observed drug recognition
12 expert evaluations in jails and station houses and
13 such. So I've seen it in just about every aspect of
14 either training or actual application in law
15 enforcement.

16 Q. In your training and experience, is HGN --
17 the HGN test the only indicator of impairment?

18 A. No, it is not.

19 Q. So is it safe to say HGN is essentially a
20 tool in the officer's toolbox?

21 A. Correct.

22 Q. Do you know if the HGN test is used by
23 anyone other than police officers?

24 A. Well, certainly in -- when we examine
25 patients, either optometrists or ophthalmologists,

1 or possibly even neurologists, because I've seen
2 them do something similar, when we assess a
3 patient's eye movements we do something similar. We
4 see -- we check to see if they have smooth pursuit
5 ability, we'll check to see if nystagmus is present,
6 either in primary gaze or when looking off to the
7 side. We don't conduct the eye movement test in
8 exactly the same way following exactly the same
9 protocol as the HGN test, but it is all related,
10 it's very similar.

11 Q. In your opinion is the presence of
12 nystagmus a reliable and valid indicator of the use
13 of a central nervous system depressant such as
14 alcohol?

15 A. If the nystagmus or the lack of smooth
16 pursuit is consistent with what an officer would
17 expect to observe when conducting the test, then
18 yes, it is.

19 Q. And is that opinion based upon the
20 research and publications of others in your field
21 and in other fields?

22 A. Yes, it is.

23 Q. Okay. How far back, you know,
24 essentially, does this research go?

25 A. The earliest that I'm aware of where

1 various types of nystagmus have been attributed to
2 alcohol use goes back to the 1950s. There is a
3 report from 1940s demonstrating that nystagmus was
4 present in individuals who are using barbiturates as
5 drug therapy. Certainly -- so with alcohol at least
6 to the 1950s and anecdotally I've heard that there
7 have been papers published earlier than that
8 demonstrating that alcohol intoxication causes
9 nystagmus, but I don't know those personally. But
10 at least we can -- at least 1950s, and certainly
11 much research, much work has been done since then.

12 Q. Are you aware of any scientific peer
13 reviewed publications that state that there is a --
14 there is no correlation between depressant drug use
15 or alcohol consumption in the presence of
16 nystagmus?

17 A. No, but even the critics of the HGN test
18 who might not believe that officers should be
19 allowed to conduct this test, or that they cannot
20 form the proper opinion because they don't have the
21 educational background or whatever, even the critics
22 will concede that alcohol and other depressant drugs
23 and other similar drugs will cause nystagmus at high
24 enough levels of intoxication.

25 THE COURT: You said before that

1 compounds can cause it, too, right?

2 A. Well, the inhalants --

3 THE COURT: (Inaudible).

4 A. -- like you might have in spray paint,
5 involves halogenic compounds --

6 THE COURT: Aerosol cans?

7 A. Aerosol cans, yes. That's a very serious
8 level of --

9 THE COURT: I mean, do you -- can you
10 limit to what compounds affect that?

11 A. No.

12 THE COURT: So there may be compounds we
13 don't know that affect that?

14 A. Well, there are -- they're going to cause
15 intoxication. They're going to cause impairment.
16 They will do that. They won't have effects only on
17 the eyes. So anything -- any intoxicant that causes
18 the changes in eye movements will also cause changes
19 in behavior and cognitive function. So the
20 individual will be impaired, there's no question,
21 but the question then is what overall will be
22 impaired, what is the cause of the impairment.

23 THE COURT: I mean, we call it chicken
24 and the egg. Is the impairment there, then you
25 just confirm it, or you think they're doing the

1 test to show there's impairment?

2 A. Well, if -- I've heard of police reports,
3 I've spoken with officers who have stopped
4 individuals as they were -- as they were huffing
5 the -- what is the aerosol spray that you use for --
6 to clean off your keyboard.

7 THE COURT: Right.

8 A. Dust Off or whatever it's called. There's
9 a volatile organic compound within that, there is a
10 propellant within that. So what individuals will do
11 is spray that into a paper bag and then inhale from
12 that paper bag and that causes serious impairment.
13 It could cause death. We've had in Oregon, for
14 example, we've had in the past five years we've had
15 several teenagers die or be seriously injured and
16 require hospitalization when doing something like
17 that. So it doesn't just affect the eye movements,
18 it affects everything.

19 THE COURT: So there's other compounds
20 that may affect your eye movement?

21 A. Correct. But it still represents
22 intoxication.

23 THE COURT: But --

24 A. In those cases there might be no alcohol
25 on board at all.

1 Q. Doctor, do you have anything else to add
2 or explain to the Court as to why you believe the
3 presence of nystagmus is a reliable and valid
4 indicator?

5 A. Well --

6 Q. Of alcohol use or -- I'm sorry, alcohol
7 impairment or intoxication or central nervous system
8 depressant, impairment for intoxication?

9 A. Yes. One of the professional
10 organizations to which I belong, of which I'm a
11 member is the American Optometric Association. In
12 1993, the American Optometric Association, which
13 represents all optometrists in the country, adopted
14 a resolution recognizing validity and reliability of
15 the HGN test in how it is applied and how it is used
16 by law enforcement. In 2011, with some minor
17 changes in wording, that resolution is readopted. I
18 was involved in drafting the new resolution,
19 changing them, and also seeing through its passage.
20 Every year the membership of the American Optometric
21 Association get together their representatives from
22 each state meet at what is referred to as the House
23 of Delegates. That's where they debate and decide
24 on resolutions such as this.

25 In 2011 that resolution passed with a

1 majority. The American Optometric Association
2 currently has about 20,000 member optometrists and
3 represents the entire profession which
4 constitutes -- and I believe the number is now about
5 32,000 optometrists, in the United States.

6 THE COURT: Do you know what -- who sets
7 up the guidelines with the training of police
8 officers in Kentucky on the HGN?

9 A. That would come from the National Highway
10 Traffic Safety Administration.

11 THE COURT: Do you know what the criteria
12 for the training is for them?

13 A. They follow the manual, they follow the
14 standard field sobriety test manual that is used
15 around the entire country.

16 THE COURT: And you're saying that
17 corresponds with what you said all the indicators
18 are and so forth?

19 A. Yes, Your Honor.

20 THE COURT: So that's basically the
21 guideline that everybody should use?

22 A. Yes.

23 THE COURT: So there's a set protocol on
24 how these are given and what the results are, or
25 how do you test --

1 A. Yes. And the training that is to be
2 conducted.

3 THE COURT: And that's all set out?

4 A. Yes, sir.

5 THE COURT: And you correspond with what
6 that says?

7 A. Yes, I do.

8 MALE SPEAKER: Your Honor, if I may
9 approach the witness, please.

10 Q. I'll show you this document, sir.

11 A. Uh-huh.

12 Q. We're talking about the 2000 resolution in
13 the American Optometric Association. Is that the
14 resolution you were speaking of?

15 A. Yes, it is.

16 Q. Okay. And is that a fair and accurate
17 copy of that resolution?

18 A. Yes, it is.

19 Q. Has that resolution been withdrawn by the
20 American Optometric Association since its passage?

21 A. No.

22 Q. Can you read that resolution to the Court,
23 please.

24 A. AOA, so American Optometric Association,
25 HOD, House of Delegates, Resolution 1901, Horizontal

1 Gaze Nystagmus as a Field Sobriety Test. Whereas,
2 drivers under the influence of alcohol pose a
3 significant threat to the public health, safety and
4 welfare, and whereas, optometric scientists and the
5 National Highway Traffic Safety Administration have
6 shown the Horizontal Gaze Nystagmus (HGN) test to be
7 a scientifically valid and reliable tool for trained
8 police officers to use in field sobriety testing.

9 Now, therefore, be it resolved that the
10 American Optometric Association acknowledges the
11 scientific validity and reliability of the HGN test
12 as a field sobriety test when administered by
13 properly trained and certified police officers, and
14 when used in combination with other evidence. And
15 be it further resolved that the American Optometric
16 Association supports doctors of optometry as
17 professional consultants in the use of HGN field
18 sobriety testing.

19 MALE SPEAKER: Your Honor, I'd move to
20 introduce as Commonwealth C.

21 MR. SUHRE: No objection.

22 THE COURT: Be admitted.

23 Q. Doctor, we had a small conversation before
24 the hearing today and I asked you a question about
25 drugs and the HGN being used to test for impairment

1 or intoxication of drugs other than alcohol. Is the
2 test administered any differently?

3 A. No, it is not.

4 Q. So there's just one HGN test?

5 A. Correct.

6 Q. And one BGN test?

7 A. Correct.

8 Q. Okay. And the test, unless the officer is
9 also a drug recognition expert, the officer doesn't
10 make a conclusion as to what they're intoxicated by;
11 is that correct?

12 A. Correct.

13 Q. The officer doesn't make a conclusion as
14 to what they are intoxicated by; is that correct?

15 A. Correct.

16 Q. They merely make a -- I guess a conclusion
17 based upon the clues presented that they are
18 intoxicated or under the influence; is that correct?

19 A. Correct.

20 Q. Okay. And is that the same conclusion
21 that the officer is to draw from the other
22 standardized field sobriety tests?

23 A. Yes.

24 Q. Okay. So, if he performs a walk and turn,
25 he's not going to say that he was under the

1 influence of heroin, he's just going to say he was
2 under the influence or intoxicated?

3 A. Correct.

4 Q. Okay. And, again, the HGN is used in the
5 same manner?

6 A. Yes.

7 Q. All right. Doctor, do you have anything
8 else to add with regard to the science or the
9 reliability of the test?

10 A. Not at this point, no.

11 Q. And you stand firm in your position and
12 your opinion that the HGN is a valid and reliable
13 indicator of impairment?

14 A. Yes, I do.

15 Q. All right. Now, one last question for
16 you, Doctor, have you been paid to testify here
17 today?

18 A. Only my travel expenses.

19 Q. Okay. Have you been given any other
20 personal compensation or promised any personal
21 compensation by my office or the Attorney General's
22 office?

23 A. I have not.

24 Q. Okay. So the only thing you were paid for
25 is your airfare, rental car and hotel expense?

1 A. Yes, sir.

2 Q. Okay.

3 MALE SPEAKER: Judge, I believe that's
4 all the questions I have at this time.

5 THE COURT: Do you get paid by a lot of
6 criminal defense attorneys?

7 A. Actually have -- no, I would not accept --

8 THE COURT: Or is the work you do more
9 for prosecution-oriented people?

10 A. It is, but I have testified for the
11 defense.

12 THE COURT: You have?

13 A. Yes, I have. But the same rules apply. I
14 do not -- again, this is not my full-time job. I
15 have a -- I have a job that allows me enough leeway
16 and enough time to do -- to travel across the
17 country when needed on situations like this, and so
18 I do not want to give the impression that, you know,
19 I'm being paid to say anything or provide my
20 testimony. And even when I have testified for the
21 defense, and, yes, I have consulted with defense
22 attorneys and have done that.

23 MALE SPEAKER: Can I follow up?

24 THE COURT: Yes, you may.

25 CROSS-EXAMINATION

1 Q. You said you testified for the defense,
2 and I'm not offended by that by any means, but I'm
3 sure Mr. Suhre is happy to hear that. Is
4 essentially then your testimony in those situations
5 is fact-specific, correct?

6 A. Yes.

7 Q. And as that goes, have you ever opined
8 that the HGN test standing alone by itself when
9 properly administered is not reliable?

10 A. Well --

11 Q. Without regard to the facts?

12 A. Without regard to the -- no, I've never
13 been asked to do that.

14 Q. Okay. Would you ever do that?

15 A. Would I ever do -- would I ever say that
16 by itself it is not reliable for determining
17 intoxication? That actually would be my conclusion.
18 That by itself, if you simply dropped someone out of
19 the sky in front of us, conducted the HGN test on
20 the individual with no other indicators, with no
21 other evidence, and you asked me to form an opinion
22 based on that individual's sobriety or level of
23 intoxication, I might form a preliminary opinion but
24 I would not be able to say beyond any shadow of a
25 doubt, or any reasonable doubt or anything that yes,

1 a person was sober or intoxicated. And the test is
2 not meant to be used that way.

3 THE COURT: Well, the reality, though, is
4 people try to use it that way because you come upon
5 a wreck scene with a car demolished and a guy
6 standing on the road and the medical people all
7 around him, and the police wants to do an HGN
8 because he wants to see if there's anything there.
9 And you know, he finds that there's nystagmus,
10 then they basically get the cart before the horse.
11 They find the intoxication because of the
12 nystagmus --

13 A. Right.

14 THE COURT: -- then anything else flows
15 along like that.

16 A. Well, except it's still not just dropped
17 out of the sky because now you have a wreck.

18 THE COURT: Could be caused by bad --

19 A. It could be caused by -- certainly,
20 certainly, it could be caused by anything. But very
21 often --

22 THE COURT: You get snow in Oregon, don't
23 you?

24 A. Oh, we got a lot of snow just this past
25 week. Luckily I was away to miss most of it. I see

1 you've had some here, too, as well?

2 THE COURT: Uh-huh.

3 A. Certainly. It could happen, but
4 invariably in those cases someone else -- another
5 witness or an EMT or someone will direct an officer
6 and say we smelled alcohol on the driver's breath or
7 have noticed -- or that individual might be acting
8 unusually. He might have a head injury --

9 THE COURT: And absent any of those other
10 circumstances, you wouldn't give reliability to an
11 HGN test? If they just tested out of nowhere, the
12 guy's --

13 A. Out of nowhere --

14 THE COURT: (Inaudible).

15 A. The reliability, as I found from my
16 research, for example, the accuracy of the test is
17 around 70 to 75 percent. So is it a good test in
18 and of itself, absolutely. It is better than any of
19 the other field sobriety tests. It is equivocal to
20 other screening tests either that an officer might
21 do or that a doctor might do. If you go in for a
22 routine physical and have your blood pressure
23 checked and it happens to be high, the doctor will
24 not automatically put you on anti-hypertensive
25 medication. Your blood pressure might be high

1 because you just ran to get to your appointment, or
2 you're nervous about something coming up later in
3 the day. There could be any number of reasons.

4 So doing the HGN test or any other field
5 sobriety test out of the context of the traffic
6 stop, which could be a crash, as well, doing it out
7 of that context it reduces the -- it reduces the
8 reliability, it reduces the weight you can give to
9 it as an accurate representation. And under most
10 circumstances, the majority of circumstances that
11 will not happen, that should not happen.

12 Q. But you also say then essentially it
13 reduces the relevance in regards to testing for
14 intoxication if there's no other clues to give the
15 test in the first place?

16 A. Correct.

17 Q. Okay.

18 MALE SPEAKER: Nothing further, Judge.

19 THE COURT: Any questions?

20 FEMALE SPEAKER: No, thank you.

21 THE WITNESS: Great. Thank you, Your
22 Honor.

23 THE COURT: So we're going to withhold
24 the cross-examination that I -- I mean, I don't
25 want to screw up your schedule here because I'm

1 going to pick to remove the hearing?

2 MALE SPEAKER: I mean, I think it would
3 be contingent upon him identifying his expert and
4 then identifying what time his expert's available.
5 And then also we'd have to coordinate with
6 Dr. Citek when he could be back, as well.

7 FEMALE SPEAKER: Well, let's put it on
8 for four weeks for a pretrial conference, and at
9 that time -- I'm just thinking out loud here, but
10 my thought is, to do that, and at that time,
11 perhaps, you think in four weeks you can be ready
12 to say you're going to have an expert --

13 MR. SUHRE: Oh, yes. Yes, ma'am.

14 FEMALE SPEAKER: Is that reasonable? I
15 mean, we basically treat it almost like a pretrial.

16 MALE SPEAKER: Sure.

17 THE COURT: Is the expert still -- I mean
18 do you still have to give him a report or are you
19 just rebutting? How is that evidence working?

20 MALE SPEAKER: What she said, that was a
21 Rule 7?

22 THE COURT: We're getting an expert to
23 have a (inaudible)?

24 MALE SPEAKER: I think if anything we're
25 going to --

1 MALE SPEAKER: Okay.

2 MR. SUHRE: But my intention would be to
3 get the report.

4 THE COURT: I don't know if you're going
5 to -- he's going to make a report or he's just
6 going to rebut the testimony.

7 MR. SUHRE: I guess I don't know yet. I
8 would anticipate that the primary purpose of it is
9 to -- is two-fold, is to rebut and also as a
10 affirmative testimony on our behalf.

11 MALE SPEAKER: We would ask for the CV of
12 any proposed expert plus whatever his report or his
13 substantiating documents would be as we have
14 provided to defense counsel.

15 MR. SUHRE: And I'll be happy to do that.

16 THE COURT: I guess the ruling's going to
17 be that you need to give a report so much in
18 advance of that hearing, right?

19 MR. SUHRE: Yes.

20 THE COURT: How many days you think is
21 appropriate?

22 MALE SPEAKER: I'm assuming we're only
23 going to set the next date at the pretrial, so as
24 long as we have it in advance of pretrial or at
25 pretrial, then we could set that date and obviously

1 provide those to Dr. Citek, as well.

2 MR. SUHRE: I won't be here, so you --

3 FEMALE SPEAKER: I -- just when you come
4 to schedule it, I'll get you on the phone and we'll
5 do it that way.

6 MALE SPEAKER: And I'm assuming since
7 we're just going into the reliability of the HGN in
8 terms of testing impairment and intoxication, then
9 we don't need, for purposes of this hearing, to get
10 into the officer's training at this point in time.
11 Unless you want to --

12 MR. SUHRE: I think that's an evidentiary
13 question? We're just testing the reliability of --

14 MALE SPEAKER: Reliability they
15 testified.

16 THE COURT: I would agree.

17 MALE SPEAKER: Okay.

18 THE COURT: Okay. Thank you, Doctor.

19 THE WITNESS: Thank you, Your Honor.

20 FEMALE SPEAKER: All right. The Court's
21 adjourned.

22

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(END OF RECORDING)

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I, Tina M. Barlow, Notary Public in and
for the Commonwealth of Kentucky at Large, certify
that the audio recording was transcribed by me, and
the foregoing is a true record of said audio
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IN WITNESS WHEREOF, I have subscribed my
name and affixed my seal this 28th day of February,
2014.

Tina M. Barlow
Notary Public
My Commission expires: 11/6/14
Notary ID 429588