

CANADA

PROVINCE OF NOVA SCOTIA

IN THE MATTER OF THE
FATALITY INVESTIGATIONS ACT
S.N.S. 2001, c. 31

THE DESMOND FATALITY INQUIRY

TRANSCRIPT

HEARD BEFORE: The Honourable Judge Warren K. Zimmer

PLACE HEARD: Guysborough, Nova Scotia

DATE HEARD: January 30, 2020

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1 January 30, 2020

2 COURT OPENED (10:07 HRS.)

3
4 THE COURT: Good morning.

5 COUNSEL: Good morning, Your Honour.

6 THE COURT: Mr. Murray?

7 MR. MURRAY: Yes, Your Honour. Mr. Russell will be
8 conducting the examination.

9 THE COURT: Mr. Russell?

10 MR. RUSSELL: Yes, Your Honour. Counsel will be calling
11 Dr. Erik Mont this morning.

12 THE COURT: Thank you. Good morning, Dr. Mont.

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1 **DR. ERIK MONT**, affirmed, testified:

2
3 **DIRECT EXAMINATION**
4

5 **MR. RUSSELL**: Good morning, Dr. Mont.

6 **A.** Good morning.

7 **Q.** Could you state your full name for the court record,
8 please?

9 **A.** My name is Erik Mont. That's M-O-N-T.

10 **Q.** And, Doctor, what is your occupation and official
11 title?

12 **A.** I am a Forensic Pathologist. My title is Deputy-Chief
13 Medical Examiner for the Nova Scotia Medical Examiner Service.

14 **Q.** And where is the Nova Scotia Medical Examiner's Office
15 located in Nova Scotia?

16 **A.** It's in Dartmouth, Nova Scotia.

17 **Q.** And how many medical examiners are there in Nova
18 Scotia?

19 **A.** Right now there are four.

20 **EXHIBIT P-000044 - CURRICULUM VITAE - DR. ERIK K. MONT, M.D.**

21 **Q.** And, Doctor, I'm wondering if we could take a look at
22 exhibit number 44. This will come up to you in front of you on

DR. ERIK MONT, Direct Examination

1 the screen, and is in the binder as well if you prefer to look
2 at a paper copy.

3 Q. So Doctor, I'm just wondering if you could tell us a
4 little bit about your education.

5 A. I have an undergraduate degree from Johns Hopkins
6 University, where I graduated in 1991. I have a medical degree
7 from the Robert Wood Johnson Medical School, where I graduated
8 in 1997. I went on to do a residency in anatomic pathology at
9 the National Institutes of Health. Completed that in 2000. I
10 did a fellowship in forensic pathology with Miami Dade County
11 Medical Examiner Department from 2000 to 2001 and then I did
12 some additional sub-specialty training of fellowship in
13 cardiovascular pathology at the Armed Forces Institute of
14 Pathology.

15 Q. And, Doctor, I'm wondering if you could briefly
16 describe your professional experience and, in particular, I
17 guess starting in 2003.

18 A. So after my fellowship in Cardiovascular Pathology I
19 returned as a staff member to the Miami Dade County Medical
20 Examiner Department, where I was an associate medical examiner
21 and worked there as a forensic pathologist and medical examiner
22 until 2009, when I moved here and took on my current position.

DR. ERIK MONT, Direct Examination

1 **Q.** And you've been in that current position steady since
2 2009 in Nova Scotia?

3 **A.** That's correct.

4 **Q.** Doctor, I just want to ask briefly - more curiosity, I
5 guess than anything - your experience for those years in Miami
6 Dade County, I'm assuming that was a fairly busy place to work?

7 **A.** Yes, as far as case numbers, the overall case numbers
8 of the office are significantly higher than Nova Scotia. The
9 office serves a larger population. In that office there were a
10 larger number of medical examiners. So each pathologist didn't
11 carry a significantly higher caseload. The mix of cases was
12 somewhat different there, as you might imagine, for a different
13 population in a large urban centre.

14 **Q.** So it's a pretty, I guess, vast experience of a
15 variety of cases?

16 **A.** Yes. I did encounter a fairly wide variety of cases,
17 I would say.

18 **Q.** And I'm just going to ask you a few questions in terms
19 of the role of a medical examiner. So how would you sort of
20 generally describe your role and sort of your responsibilities
21 as a medical examiner in Nova Scotia?

22 **A.** The responsibilities of our office are outlined in our

DR. ERIK MONT, Direct Examination

1 **Act**, the **Fatality Investigations Act**. In general, though, we
2 are responsible for determining and certifying the cause and
3 manner of death in a certain subset of deaths that occur in Nova
4 Scotia. Those particular types of deaths are outlined in that
5 **Act**. In very general terms, though, they encompass all deaths
6 that are not natural deaths, and many deaths that can't be
7 certified as natural deaths at the time the person dies.

8 An example would be a person who dies unexpectedly without
9 a history that would suggest the cause of death, and so the
10 cause could be a number of things, including either natural or
11 external causes. So we do investigate a number of deaths that,
12 after our investigations, do turn out to be natural deaths as
13 well.

14 **Q.** And I'm wondering if you could explain. You are now
15 in the role of Deputy-Chief Medical Examiner, and I'm assuming
16 with that it carries further responsibilities above and beyond
17 your previous role as a medical examiner. What are some of the
18 other obligations you have as Deputy-Chief Medical Examiner for
19 Nova Scotia?

20 **A.** My general duties day to day are typical of one of the
21 medical examiners in our office. The additional duties
22 encompass, really, covering for Dr. Bowes, the Chief Medical

DR. ERIK MONT, Direct Examination

1 Examiner when he is unavailable. So occasionally, if he's
2 traveling for meetings or things like that I will undertake his
3 responsibilities.

4 Q. Okay. How would a particular case get assigned in
5 general terms? If there are four medical examiners in the
6 office how does one go about sort of assigning a particular
7 medical examiner maybe to a particular case?

8 A. In our office that is strictly based on our schedule.
9 We have a rotating call schedule and when a case occurs when we
10 are on call that will become our case. Dr. Bowes obviously has
11 the authority to assign cases outside of that but he has not
12 done that, to my knowledge, ever. When the case comes in on our
13 call we have handle of the case.

14 Q. Okay, and I understand that as a medical examiner on a
15 particular case you don't work alone and that there's a support
16 team that's in place that work with the medical examiner, and
17 these are pretty qualified individuals. I wonder if you could
18 tell the Court a little bit about what comprises that team or
19 what sort of backgrounds these people might have.

20 A. Our team is comprised of a number of different
21 professionals that fulfill different roles, though. Some of
22 them fulfill investigative roles. That might include liaising

DR. ERIK MONT, Direct Examination

1 with police, liaising with other medical professionals, speaking
2 with families, a number of other avenues of investigation.
3 Often scene attendants as well.

4 We have full-time staff in our office. Those people hold
5 the title of coordinators of investigation, and we have another
6 group that covers nights and weekends. Those are our
7 medical/legal death investigators. And depending on what time a
8 death occurs, either might field that initial call. The actual
9 responsibility for the file will ultimately be taken on by one
10 of full-time people.

11 **(10:18:08)**

12 **Q.** Okay.

13 **A.** These people have, as you said, a high degree of
14 education and experience. They're all nurses or paramedics with
15 critical care experience.

16 **Q.** And I'm going to move into a series of questions and
17 the category is probably wrong. And obviously correct me. But
18 in terms of the science or the test and the ultimate sort of
19 goal of the medical examiner, I understand that one of the
20 primary responsibilities is for a medical examiner to determine
21 a cause and manner of death. Is that the case?

22 **A.** That's correct.

DR. ERIK MONT, Direct Examination

1 **Q.** I'm wondering if you could define for the Court what
2 "cause" is and what "manner of death" is.

3 **A.** The cause of death is defined as the disease or injury
4 that, in an unbroken chain of events, ultimately leads to a
5 person's death. There may be a number of mechanisms in that
6 chain that follow from that underlying cause, but the cause is
7 that basic injury or disease that initiates that chain.

8 The manner of death is a classification that is a
9 statistical classification, really, in which cases are
10 classified into one of five categories, and those are homicide,
11 suicide, accident, natural, undetermined.

12 **Q.** And, Doctor, in sort of working towards a conclusion
13 in terms of cause and manner of death, obviously you take sort
14 of a scientific approach to it and a detailed analysis. What
15 are the sort of categories of evidence, I guess, does a medical
16 examiner consider when trying to determine cause and manner of
17 death?

18 **A.** Can I clarify the question? Are you asking categories
19 with regard to what types of information or our degree of
20 certainty in the ...

21 **Q.** What types of information or categories of evidence
22 would you consider?

DR. ERIK MONT, Direct Examination

1 **A.** I mean the short answer is we consider all information
2 that is available to us. In a particular case, it may be one
3 source or a number of sources. That can be scene information.
4 That can be witness accounts. That can be medical records.
5 That can be accounts of associates of the person. Police
6 investigative information is included in that. We often review
7 medical records.

8 So at the outset and throughout the case we obtain as much
9 information as we can from that. We also, in cases in which we
10 have done an autopsy, have the benefit of that information as
11 well. And that includes both the gross autopsy findings that we
12 see at the time an autopsy is conducted and a number of tests
13 that may be done afterwards, which might include microscopic
14 examination of tissues and organs. In a particular case, it
15 might include toxicology testing. Sometimes microbiology
16 testing. Sometimes genetic testing.

17 There are a number of other categories that, in some cases,
18 become pertinent, and oftentimes we rely on other professionals.
19 Forensic entomologists sometimes. Forensic anthropologists
20 sometimes.

21 **Q.** So entering into sort of an investigation, is it fair
22 to say one category of evidence is not deemed more essential

DR. ERIK MONT, Direct Examination

1 than others?

2 **A.** I think that it's very case dependent. There are
3 cases in which the cause and manner of death are clearly evident
4 from the autopsy findings and the autopsy findings alone. More
5 often, the autopsy findings are interpreted in the context of
6 everything else we know about the case, about the history and
7 the individual and the scene and any other information that we
8 can have.

9 **Q.** Okay. And moving, I guess, to questions sort of about
10 scene evidence. Is there a particular reason why it may be
11 important for a medical examiner to attend the scene?

12 **A.** There are a number of reasons why attendance at a
13 scene may be beneficial. It's not necessarily beneficial in
14 every case but we don't know which cases that may be affected by
15 our attendance. We see things looking from a different
16 perspective than police investigators sometimes and so we may
17 pick up different things at the scene. Again, it's very case
18 dependent on which things that might be.

19 **Q.** Would you say it's unusual or would you say it's
20 common for a medical examiner to attend a scene in Nova Scotia?

21 **A.** It's common for one of our personnel to attend a
22 scene. Usually that would be one of our investigators, either

DR. ERIK MONT, Direct Examination

1 the coordinators or the medical/legal investigators that cover
2 nights and weekends. As medical examiners, we try to attend all
3 scenes that are clearly homicide scenes where a body is still at
4 the scene, hasn't been transported to the hospital. Or where
5 there is a legitimate suspicion that it might represent a
6 homicide.

7 And we attend any scenes in which the police are
8 uncomfortable, and our investigators if they're there already,
9 that there are questions at the scene that might need to be
10 addressed.

11 **Q.** And I'll move back to this particular case. But in
12 general terms, is it sometimes important ... time, I guess, is
13 of the essence, that the sooner a medical examiner gets to the
14 scene, the more beneficial it is in coming to a conclusion of
15 cause and manner of death?

16 **A.** Typically the earliest information that we are able to
17 obtain at a scene from the scene is the best. For instance, the
18 means by which we can estimate the time of death are related to
19 postmortem changes of the body. That's cooling of the body.
20 That's something called livor mortis, where the blood settles to
21 the dependent portions of the body and is visible as pink
22 discolouration called livor mortis, or lividity, and rigor

DR. ERIK MONT, Direct Examination

1 mortis, the stiffening of muscles after death.

2 These things occur with relatively predictable time ranges.
3 So the earlier we're able to establish those things, the better
4 the information we can provide is. Still, those allow us only
5 to determine the time of death in relatively broad ranges but,
6 again, the earlier, the better. The longer the range, the
7 longer the time since death, the larger that range is.

8 **Q.** Okay.

9 **A.** So that's one factor. The processes of decomposition
10 of a body essentially begin the moment a person dies. So from
11 our perspective, from our examination, the earlier we're able to
12 do an example, the better.

13 **Q.** Okay. Moving, I guess, to this particular case or
14 matter before the Court. You're obviously familiar with the
15 tragic deaths of members of the Desmond/Borden families, leading
16 to this inquiry. I'm just wondering when you first might have
17 became alerted or involved, I guess, in your office.

18 **(10:27:54)**

19 **A.** I believe the initial call came on ... I believe it
20 was January 3rd, 2017. Time was around 8:20 or 8:30 p.m. That
21 information is captured in our database. So the call would have
22 initially gone to one of our investigators, one of our nighttime

DR. ERIK MONT, Direct Examination

1 investigators, who obtained some initial information and then
2 called me to notify me that this had happened.

3 Q. So obviously this call, was it in the evening?

4 A. Yes, it was.

5 Q. So it's sort of after sort of what we'd call standard
6 banking or business hours. So were you on call?

7 A. Yes.

8 Q. Okay. Do you recall sort of generally what sort of
9 information is conveyed to you about this at the time?

10 A. The initial call typically could include fairly
11 general information. The number of victims, perhaps the type of
12 injuries, where the scene is, what time it was called in, and
13 who was reporting it. The level of detail and accuracy of that
14 information evolves over time. So that initial call is
15 typically somewhat more general.

16 Q. And I understand that you ultimately made a
17 determination that you would, in fact, attend the scene in
18 Guysborough?

19 A. Yes.

20 Q. And, Doctor, do you recall when you might have
21 actually arrived, I guess, on scene, or when that was?

22 A. During the initial few telephone calls on the 3rd and

DR. ERIK MONT, Direct Examination

1 the early morning of the 4th we made a plan with the police
2 investigators that we would try to arrive sometime after noon to
3 give them some time to process the scene before we are able to
4 do anything at the scene.

5 Q. So do you recall approximately when on the 4th of
6 January 2017 you might have arrived?

7 A. It was around 1:15 p.m.

8 Q. And I understand that you didn't enter the residence
9 right away.

10 A. The Ident officers who had been processing the scene
11 asked us if it was okay to take a break at that point as we had
12 a preliminary discussion of the case. So we entered the scene
13 at around 2:30, I believe.

14 Q. Okay, and when you say "we entered the scene", do you
15 recall if you were traveling with a team, a support team as
16 well?

17 A. There were two investigators from our office ...

18 Q. Okay.

19 A. ... that were with me that day.

20 Q. Do you recall who they were or what their positions
21 were?

22 A. They were both medical/legal investigators. They're

DR. ERIK MONT, Direct Examination

1 not coordinators of investigation. And one was coming from Cape
2 Breton and one was coming from our office, which is why we met
3 at the scene.

4 Q. Okay. And they entered the scene with you.

5 A. With me, along with the police Ident officers.

6 Q. I understand there's a certain sort of dynamic between
7 the RCMP or a police detachment and the Medical Examiner's
8 Office. I'm wondering if you could just, in general terms,
9 explain the sort of ... I don't know if it's jurisdictional
10 authorities.

11 A. With reference specifically to a scene?

12 Q. Yes, yeah.

13 A. Well, as I mentioned, they had processed the scene
14 overnight before we got there. The police are responsible for
15 the scene and for the processing of the scene. They have
16 jurisdiction over all that. We have jurisdiction over the
17 bodies themselves. So we work with the police on this. We're
18 partners on this. We certainly try not to go through or into a
19 scene that hasn't been properly processed yet to get to a body
20 to move a body. As I said, we'd like to begin our examination
21 as early as possible but it's a partnership.

22 So the police oftentimes need to do a great deal of

DR. ERIK MONT, Direct Examination

1 processing before we can get to a body without contaminating
2 evidence that's at the scene.

3 Q. Okay, and do you recall meeting with a Sergeant Jen
4 Olfert?

5 A. Yes.

6 Q. And my understanding is she had been one of the
7 forensic officers with the RCMP that you were referring to?

8 A. Yes.

9 Q. And do you recall when you might have entered? So if
10 you said you arrived at around 1:15, around when is the time you
11 entered?

12 A. It was around 2:30 p.m.

13 Q. And are you with her when you enter the scene?

14 A. Yes.

15 Q. And I guess I'll get to this point. So there was a
16 slight, I guess ... I don't even want to call it a delay. But
17 there was a time period between events occurring and you
18 ultimately entering the scene at 2:30, and ultimately you
19 reached conclusions about cause and manner of death, which we'll
20 get into.

21 Did time cause any problem or impact in you reaching your
22 final conclusions as it relates to the deaths of the four

DR. ERIK MONT, Direct Examination

1 individuals?

2 **A.** No.

3 **Q.** Okay. And so you enter the scene. I'm wondering if
4 there were any sort of particular observations that you made
5 while in the scene that were of importance to you in your
6 ultimate considerations.

7 I appreciate that's a broad question and we could narrow
8 it.

9 **A.** Yeah. I mean general things in this case were that
10 there were four individuals, each of whom appeared to have
11 sustained gunshot wounds. At this point I had received some
12 information from the police regarding the events leading to
13 this. So the elements that I talked about with regard to the
14 time of death were consistent with that timeframe. So that's
15 the temperature of the body, the rigor mortis, the livor mortis.

16 I observed the bodies as they were. They did not appear to
17 have been moved yet. So that included the bodies as well as
18 some of the blood around the bodies and beneath the bodies.
19 There was a firearm that had been moved. I saw that. But not
20 where it had been found. And I saw where some of the casings
21 had been found as well.

22 **Q.** And so to your knowledge, outside of the firearm that

DR. ERIK MONT, Direct Examination

1 had been moved, to your knowledge, had the scene been disturbed
2 in any manner when you were eventually given the initial walk-
3 through and evaluation?

4 **A.** Not with respect to the bodies or the immediate areas
5 of the bodies.

6 **Q.** Okay. And in this arrival on scene and assessment of
7 the scene, did your office take photos or was that the RCMP?

8 **A.** That was the RCMP.

9 **Q.** And is that typical?

10 **A.** At the scene, yes.

11 **Q.** And at the scene did you examine ... or at any point
12 did you examine the firearm?

13 **(10:36:47)**

14 **A.** I saw the firearm. I didn't examine the firearm. In
15 the course of my training and experience, I have some knowledge
16 of firearms and their injuries, but I am not a firearms
17 examiner. I'm not an expert in firearms *per se*.

18 **Q.** So do you recall how long you might have been present
19 and examined the scene? You entered at, say, approximately 2:30
20 in the afternoon.

21 **A.** Having reviewed the notes, I believe I left, along
22 with our investigators, a little over two hours later.

DR. ERIK MONT, Direct Examination

1 **Q.** And I understand that the bodies of the four deceased
2 were eventually removed from the residence and taken to your
3 office for a postmortem exam?

4 **A.** That's correct.

5 **Q.** And I wonder if you could just, in general terms,
6 describe what's a postmortem exam?

7 **A.** A postmortem examination is an examination of a
8 deceased person that includes an external examination and an
9 internal examination. In the course of our examination we have
10 a number of objectives. One is to establish the identity of the
11 person. One is to document and collect any evidence that may be
12 pertinent in that case and then, of course, determination of the
13 cause and manner of death.

14 So in these type of cases, typically many photographs are
15 taken at different stages of this process. Photographs are
16 taken. Well, bodies are transported in a body bag that is
17 sealed with a specific security tag with a specific number to
18 ensure that chain of custody and that nothing has been altered.

19 So upon breaking that security tag, photographs are taken
20 as-is. Occasionally things may change from the scene to the
21 examination at our office. The appearance of wounds sometimes
22 changes just over time and with refrigeration. The bodies are

DR. ERIK MONT, Direct Examination

1 stored in refrigeration. And these postmortem changes that we
2 use for determining the cause and manner of death obviously have
3 progressed for however many hours have elapsed in the interim.

4 Q. And so just a general question. It's obviously
5 leading. So there were no issues, in your opinion, surrounding
6 any sort of continuity and that the postmortems were of Lionel
7 Desmond, Shanna Desmond, Aaliyah Desmond, and Brenda Desmond?

8 A. That's correct, yeah. So in this case, the hands had
9 been covered with bags at the scenes. There was trace evidence
10 that was collected there that included some swabs, different
11 types of swabs. Some for DNA, some for gunshot residue. And
12 the clothing was collected. And the external examination
13 includes an examination of the body from head to toe.

14 And that includes a visual examination, oftentimes an
15 examination by feel. Sometimes things are palpable that are not
16 visible. So we examine with those same objectives in mind
17 determining who this person is, how they died, when they died,
18 and collecting any evidence.

19 That's followed by an internal examination in which
20 incisions are made in the body and the organs of the body are
21 examined as they are in the body, noting injuries, natural
22 disease processes, any abnormalities that might be there.

DR. ERIK MONT, Direct Examination

1 Collecting evidence sometimes. The organs are then removed from
2 the body, weighed and examined in greater detail and then in the
3 course of this a number of specimens are obtained.

4 In addition to the trace evidence specimens, there are
5 toxicology specimens, specimens for pieces of tissue for
6 microscopy, and as I mentioned before, specimens that in a
7 particular case might be collected for a specific test later on.

8 Q. And before we get into the particular details of the
9 postmortem exams of the four deceased are you able to say
10 whether or not you were, at the end of the day, able to
11 confidently determine the cause and manner of death of Lionel
12 Desmond, Shanna Desmond, Aaliyah Desmond, and Brenda Desmond?

13 A. Yes.

14 Q. So, Doctor, I guess we'll logically ... I think it
15 flows maybe a little easier. If we could start with the
16 conclusions and maybe work our way back through the details.
17 And I guess if we could look at Exhibit 62.

EXHIBIT P-000062 - MEDICAL CERTIFICATE OF DEATH - SHANNA DESMOND

19 Q. So, Doctor, you recognize this document?

20 A. Yes.

21 Q. And it's titled Medical Certificate of Death?

22 A. Yes.

DR. ERIK MONT, Direct Examination

1 **Q.** What is a Medical Certificate of Death, I guess?

2 **A.** It's a document that is filed with Vital Statistics
3 that contains a number of pieces of demographic information and
4 also the cause and manner of death.

5 **Q.** And in particular with this document, Exhibit 62, at
6 the top it appears as though it has a series of information,
7 Shanna Desmond, date of birth, occupation. Place of birth is
8 checked off as "home" and there's an address listed?

9 **A.** Yes.

10 **Q.** So that is sort of standard information, I take it,
11 that you fill out with each ... at the conclusion of each
12 investigation?

13 **A.** Yes.

14 **Q.** And this is the document as it relates to Shanna
15 Desmond.

16 **A.** That's correct.

17 **Q.** So, Doctor, I'm wondering if you look down at the
18 page, it says sort of ... you know, there's a signature there.
19 Is that your signature?

20 **A.** Yes, it is.

21 **Q.** And it's dated January 6th, 2017?

22 **A.** That's correct.

DR. ERIK MONT, Direct Examination

1 **Q.** And, Doctor, throughout the Certificate of Death
2 there's a number of things and, in particular, I guess a
3 quarter-way down of the page, number 12, it says, "Date of
4 death"?

5 **A.** Yes.

6 **Q.** And when was that?

7 **A.** That was January 3rd, 2017.

8 **Q.** And that's a conclusion that you ultimately reached?

9 **A.** Yes.

10 **Q.** And number 13 it says, "Immediate cause of death" and
11 what was the immediate cause of death for Shanna Desmond?

12 **A.** She had gunshot wounds of the neck, chest, and
13 abdomen.

14 **Q.** And next to that, over to the right, it says,
15 "Approximate interval between onset and death" and what does it
16 say?

17 **A.** "Seconds".

18 **Q.** So I'm wondering if you could explain what the
19 approximate interval between onset and death is.

20 **A.** This is something that we try to estimate, again,
21 based on a number of factors. Sometimes that can be history.
22 In other words, if a person has died of a natural disease that

DR. ERIK MONT, Direct Examination

1 they were known to have for years that would be years. So it's
2 not necessarily based on the anatomic findings at the time of
3 autopsy.

4 However, in a case such as this, the interval is
5 approximated really, based, essentially, on the autopsy
6 findings. We don't try to narrow that down typically in terms
7 other than seconds, minutes, hours, days. It's very difficult
8 to pinpoint the amount of time it takes for someone to die of an
9 acute injury.

10 Q. And so in this case you were able to say seconds, you
11 believe?

12 A. Yes.

13 Q. And it was due to the nature of the wounds that were
14 inflicted?

15 A. That's correct.

16 Q. And we'll get into the details. It says, "State of
17 death was". Number 16. And what did you note as the state of
18 death?

19 **(10:47:04)**

20 A. Number 16. You mean does it take into account the
21 autopsy finding?

22 Q. Yes. Or below that. It says, "State of death was",

DR. ERIK MONT, Direct Examination

1 and it has natural, accident, homicide, suicide ...

2 A. Oh, that refers to the manner of death.

3 Q. Yeah, the manner.

4 A. So in this case, based on the findings and the
5 investigative information that I had received, I classified this
6 as a homicide.

7 Q. So when we referred earlier as manner of death, on
8 this form it's worded as "state of death".

9 A. Yes.

10 Q. Homicide. And then finally, how the injury did occur.
11 It's noted as ...

12 A. Decedent was shot by other person.

13 Q. I wonder if we could turn to Exhibit 46.

14 **EXHIBIT P-000046 - MEDICAL CERTIFICATE OF DEATH - AALIYAH**

15 **DESMOND**

16 Q. And, Doctor, you recognize that document?

17 A. Yes.

18 Q. And what is it?

19 A. That is a Medical Certificate of Death for Aaliyah
20 Desmond.

21 Q. And that was also, I guess, signed by you and dated?

22 A. Yes.

DR. ERIK MONT, Direct Examination

1 **Q.** And when was it dated?

2 **A.** It was dated January 6th, 2017.

3 **Q.** And again, number 12, I guess, the date of death was
4 determined to be when?

5 **A.** January 3rd, 2017.

6 **Q.** And immediate cause of death was listed as what?

7 **A.** "Gunshot wound of face, neck, and chest."

8 **Q.** And it says, "Approximate interval between onset and
9 death".

10 **A.** Yes.

11 **Q.** And what does it say?

12 **A.** "Minutes".

13 **Q.** And so that is slightly different than what was listed
14 for Shanna Desmond?

15 **A.** Yeah.

16 **Q.** And was it due to the nature of the injuries that were
17 discovered through your postmortem exam?

18 **A.** Yes. Just as a note of clarification.

19 **Q.** Yes.

20 **A.** The terminology I use, gunshot wound of face, this
21 refers to a single gunshot wound that injures those areas of the
22 body. This is not three separate gunshot wounds.

DR. ERIK MONT, Direct Examination

1 Q. And I would clarify that once we get into the
2 postmortem but since we're on that topic or area. If we could
3 turn back to Exhibit 62. This is the Medical Certificate of
4 Death as it relates to Shanna Desmond and it says, "Gunshot
5 wounds", plural, and it lists, "Neck, chest, and abdomen"?

6 A. Yes. This refers to multiple gunshot wounds, more
7 than one.

8 Q. And in particular, three?

9 A. Yes.

10 Q. If we could turn back to Exhibit 46 and I guess, as
11 well, on Aaliyah Desmond's certificate of death, you've noted
12 state of death which you referred to as cause, you indicated
13 what?

14 A. Manner of death.

15 Q. Manner, sorry.

16 A. Yes. Homicide as well.

17 Q. And how did the injury occur and you noted?

18 A. The decedent was shot by other person.

19 Q. Moving to Exhibit 51.

20 **EXHIBIT P-000051 - MEDICAL CERTIFICATE OF DEATH - BRENDA DESMOND**

21 Q. And, Doctor, do you recognize this document?

22 A. Yes, I do.

DR. ERIK MONT, Direct Examination

1 **Q.** What is it?

2 **A.** This is the medical certificate of death for Brenda
3 Desmond.

4 **Q.** And I see a signature on this page, as well, dated
5 January 6th, is that your signature?

6 **A.** Yes, it is.

7 **Q.** That's 2017?

8 **A.** Yes.

9 **Q.** And, Doctor, I guess you noted that the date of death
10 was when?

11 **A.** January 3rd, 2017.

12 **Q.** And you listed immediate cause of death as what?

13 **A.** Gunshot wound to the chest.

14 **Q.** And is that a single gunshot wound?

15 **A.** Yes, it is.

16 **Q.** And you said approximate interval between onset and
17 death was?

18 **A.** Minutes.

19 **Q.** And, again, that's as a result of the analysis after
20 your postmortem examination?

21 **A.** Yes.

22 **Q.** And the state of death was listed as what?

DR. ERIK MONT, Direct Examination

1 **A.** Homicide.

2 **Q.** And how did the injury occur, you noted?

3 **A.** Decedent was shot by another person.

4 **Q.** Moving to Exhibit 56.

5 **EXHIBIT P-000056 - MEDICAL CERTIFICATE OF DEATH - LIONEL DESMOND**

6 **Q.** Do you recognize that document?

7 **A.** I do.

8 **Q.** What is it?

9 **A.** That is the medical certificate of death for Lionel
10 Desmond.

11 **Q.** And, Doctor, again I see a signature, is that your
12 signature?

13 **A.** Yes, it is.

14 **Q.** And it's dated January 6th, 2017?

15 **A.** Yes.

16 **Q.** And, Doctor, I noted that date of death was noted or
17 determined to you to be when?

18 **A.** January 3rd, 2017.

19 **Q.** And it states immediate cause of death and you found
20 it was?

21 **A.** Gunshot wound to the head.

22 **Q.** And a single?

DR. ERIK MONT, Direct Examination

1 **A.** Yes.

2 **Q.** And you said approximate interval was when?

3 **A.** Seconds.

4 **Q.** And, as well, you indicated state of death was and in
5 this case you indicated what?

6 **A.** Suicide.

7 **Q.** And that was after a conclusion of all the evidence
8 you collected and examined?

9 **A.** Yes.

10 **Q.** And how did the injury occur, you determined?

11 **A.** Decedent shot himself.

12 **Q.** So, Doctor, so to just clarify, you indicated that
13 three of the four parties, Shanna, Aaliyah, and Brenda Desmond,
14 you ultimately ruled that their deaths were a homicide, is that
15 correct?

16 **A.** That's correct.

17 **Q.** And Lionel Desmond's death you ruled as a suicide?

18 **A.** That's correct.

19 **Q.** And that was after considering all of the evidence,
20 scene, RCMP investigation, postmortem exam, toxicology, et
21 cetera?

22 **A.** That was before the toxicology results were available.

DR. ERIK MONT, Direct Examination

1 So the postmortem examination as well as information from the
2 scene and information from the police up to that point.

3 Q. And did the toxicology sway your opinion at all or
4 change your ...

5 A. It did not.

6 Q. I'm wondering, Doctor, we'll have to turn to the
7 details of your postmortem examinations. If we could look at
8 Exhibit 61.

9 **EXHIBIT P-000061 - REPORT OF POSTMORTEM EXAMINATION - SHANNA**

10 **DESMOND**

11 Q. What is this report, Doctor?

12 A. This is the report of the postmortem examination of
13 Shanna Desmond.

14 Q. And who prepared this report?

15 A. I did.

16 Q. And is this something that's standard after you do a
17 postmortem examination?

18 A. Yes, it is.

19 Q. And, Doctor, there's a few things I would like to sort
20 of draw your attention to. In the report, so this report would
21 document all of your evidentiary findings as a result of the
22 postmortem exam?

DR. ERIK MONT, Direct Examination

1 **A.** Yes, this encompasses the findings of the postmortem
2 examination done on the day of the autopsy. This also includes
3 the toxicology results and the results of microscopic
4 examination.

5 **Q.** Okay. And it also reports, I believe, a summary and
6 an opinion as well?

7 **A.** Yes.

8 **Q.** So, Doctor, I'm wondering if we could go one-by-one
9 and in this particular case, Shanna Desmond. You have noted as
10 the cause of death on this report as what?

11 **A.** Gunshot wounds of neck, chest and abdomen.

12 **Q.** And that's consistent with ultimately your conclusions
13 on the certificate of death?

14 **A.** Yes.

15 **Q.** And so, Doctor, you made a number of autopsy findings
16 that, one through four, that you made note of. What were those
17 and in what way were they significant, I guess?

18 **A.** Well, in this case with regard to the cause and manner
19 of death, only the number one is pertinent. The injuries in
20 this case are responsible for causing the death and relate to
21 the manner of death.

22 **Q.** Okay.

DR. ERIK MONT, Direct Examination

1 **A.** The other are observations but they did not play a
2 role in the death.

3 **Q.** And in terms of number one, what did you note?

4 **A.** I noted a perforating gunshot wound of the neck and
5 penetrating gunshot wounds of the chest and abdomen. So just to
6 clarify, in the terminology that we typically use, perforating
7 means a through-and-through wound, a wound in which a projectile
8 enters the body and exits the body. A penetrating wound is one
9 in which the projectile does not exit the body. So in this case
10 there was on perforating wound, or one through-and-through
11 wound, two gunshot wounds that penetrated the body and did not
12 exit.

13 **(10:57:04)**

14 **Q.** And the perforating wound was to the neck and the
15 penetrating to the chest and abdomen?

16 **A.** That's correct.

17 **Q.** So, Doctor, on page three of the report, I'm going to
18 go through each sort of evidence of injury. So, in particular,
19 you indicated earlier that there were three, you were able to
20 determine there were three separate gunshots wounds to Shanna
21 Desmond, is that correct?

22 **A.** That's correct.

DR. ERIK MONT, Direct Examination

1 **Q.** And I guess the, I'll call it the first, is there any
2 way you could determine which of those gunshot wounds occurred
3 before the other or in what order?

4 **A.** Not in this case, no.

5 **Q.** And so what I'll call, say, the first and I know it's
6 not a set order as you concluded, but the gunshot wound to the
7 neck, I'm wondering if you could describe sort of its point of
8 entry and exit and what sort of impact that may have had?

9 **A.** This wound was associated with an entrance in the
10 right side of the neck. We look for a number of characteristics
11 with regard to gunshot wounds that assist us in determining, in
12 some cases, the range of fire. We look for a number of factors
13 that are mentioned here as negative findings - stippling, soot,
14 muzzle imprint. So in a contact range gunshot wound in which
15 the muzzle of a firearm is in contact with the skin, sometimes
16 there's an imprint from that on the skin itself. When a
17 projectile exits the muzzle of the gun, it is accompanied by a
18 number of other things including burning and unburnt fragments
19 of gunpowder, smoke, and these things, at different ranges, may
20 either hit the skin and cause injuries or deposit on the skin as
21 soot and that gives us an idea, in some cases, of a range of
22 fire. If these things are not found on the skin it means that

DR. ERIK MONT, Direct Examination

1 the muzzle of the gun was either far enough away from the
2 entrance point so that none of those things either hit or
3 deposited on the skin, or there was an intermediary object that
4 blocked those things and we can't always tell. So in cases in
5 which there are none of these things, we refer to those as
6 indeterminate range. In this case, it's likely that this was
7 not a contact or close range wound but it would be referred to
8 as indeterminate range.

9 Q. So you're able to, I guess, confidently offer the
10 opinion that this particular gunshot wound wasn't of close range
11 but can you say an approximate distance away that the shooter
12 might have been from Shanna Desmond?

13 A. Different firearms with different ammunitions may
14 cause different patterns of that deposition so in order to have
15 a specific number, that weapon would need to be test fired with
16 that specific ammunition from a number of different distances.
17 In general terms, we can say that this is probably over three
18 feet or so away from the victim ...

19 Q. Okay.

20 A. ... but I can't be more specific than that in a case
21 like this.

22 Q. And this particular trajectory, if you could describe

DR. ERIK MONT, Direct Examination

1 what sort of internal arteries or things it might have
2 intersected and how that impacted death?

3 **A.** So the path of the gunshot wound was from right to
4 left, slightly downward and slightly back to front. So in the
5 course of that track, a number of internal structures were
6 injured, probably most importantly the cervical spine and the
7 spinal cord were transected in this case. There were a number
8 of other injuries as well but that is pertinent because that
9 would sever any connection between the brain and the body, both
10 motor and sensory.

11 **Q.** And that would factor into your determination in terms
12 of the time between impact and death, you indicated minutes, I
13 believe?

14 **A.** In this case I think I said seconds.

15 **Q.** Oh, I apologize.

16 **A.** Again, these are estimates and they're ranges. So
17 that was the main basis for that estimation though, yes.

18 **Q.** And I'm going to sort of circle back to you described
19 sort of an overall path of the gunshot wound. You described it
20 as right to left, slightly downward, and slightly back to front?

21 **A.** Yes.

22 **Q.** Now, I understand that there are any sort of number of

DR. ERIK MONT, Direct Examination

1 variables in terms of the shooter and the victim could be in
2 motion?

3 **A.** Yes.

4 **Q.** Are you able to, in this particular wound when you say
5 back to front, are you able to say whether or not, is it
6 suggestive of, I guess, the shooter being behind the victim or
7 the victim with the back turned or either/or rather than face-
8 to-face I guess?

9 **A.** A couple of points of clarification on that.

10 **Q.** Yes.

11 **A.** When we refer to the directionality in the body, we
12 refer to it with the body in what's called the standard
13 anatomical position.

14 **Q.** Okay.

15 **A.** And if I may stand up just to demonstrate?

16 **Q.** Absolutely, absolutely.

17 **A.** So that is with an individual facing forward, arms
18 down like this, so this is all relative to the body in this
19 position. It doesn't necessarily mean that the body was in this
20 position when that wound was sustained.

21 **Q.** Yes.

22 **A.** That being said, another point of clarification. This

DR. ERIK MONT, Direct Examination

1 was slightly back to front and the main direction was from right
2 to left in this case. I can't say what position the head or
3 neck was in at the time that happened so that could affect that
4 front- to-back trajectory as well. What we can tell from the
5 direction of the wound in the body is the relative position of
6 the muzzle of the firearm to the body at the time it was
7 discharged. So the position of the body can alter that quite a
8 bit and what I mean by that is is a wound in the body in the
9 anatomic position is essentially horizontal, might not actually
10 have been sustained from a bullet that was traveling in a
11 horizontal direction. You can imagine someone who is leaned
12 over almost 90 degrees, a horizontal wound in the body would be
13 almost vertical.

14 **Q.** So in this particular case, could that particular
15 wound, even though it says slightly back to front, could it be
16 consistent with Lionel Desmond firing a shot facing the
17 direction of Shanna Desmond with her head turned or is that ...

18 **A.** Given the rest of the wound I would say no.

19 **Q.** Okay.

20 **A.** This is essentially from right to left given the
21 direction through the spine. The other consideration in this
22 case is that there was an associated wound on the left shoulder

DR. ERIK MONT, Direct Examination

1 with the exit wound so it appears that the projectile exited the
2 left side of the neck and grazed the top of the left shoulder.
3 So that suggests to me that this more or less was a right to
4 left gunshot wound.

5 Q. A shooter from the right side to the victim?

6 A. Yes.

7 Q. Next in terms of evidence of injury, the gunshot wound
8 to chest. I'm wondering, Doctor, if you could, it's again page
9 three, I wonder if you could take us through that a little bit
10 about your findings, one of I believe you said that this
11 penetrated?

12 A. Yes.

13 Q. And if you could explain where it penetrated and what
14 sort of internal organs it might have impacted.

15 (11:07:03)

16 A. So the general summary is that this entered the right
17 side of the chest and the bullet lodged in the left side of the
18 chest. It hit a number of structures in between there including
19 ribs and lung. It went through the heart and the diaphragm and
20 the liver and caused damage to all of those organs and
21 structures.

22 Q. And you noted in this one at page four, this

DR. ERIK MONT, Direct Examination

1 particular injury, you also noticed, if I can have one moment.
2 Sorry, back at page three, you said the entrance has no
3 associated stippling, soot or muzzle imprint?

4 **A.** Yes.

5 **Q.** And again are you able to sort of ... you explained
6 that that's suggestive of it's not immediate close range.
7 Again, are you able to sort of estimate how far away this shot
8 would have been fired from?

9 **A.** The estimate is about the same with the caveat in this
10 case that there was a shirt in between, there was some fabric
11 ...

12 **Q.** Okay.

13 **A.** ... between the entrance and the muzzle of the gun.

14 **Q.** And what was the distance you gave earlier?

15 **A.** In the range of three feet or so.

16 **Q.** And you described the overall path on page four. The
17 overall path of the gunshot wound is right to left, slightly
18 back to front, and that is consistent language with the injury
19 you described to the neck?

20 **A.** Yes.

21 **Q.** And so from that can we sort of see a similar
22 conclusion in that the shooter might have been to the right side

DR. ERIK MONT, Direct Examination

1 of the victim?

2 **A.** Yes, at the least the muzzle of the gun was, yeah.

3 **Q.** Yeah, the muzzle of the gun was aimed to the right of
4 the victim?

5 **A.** From the right side to the left.

6 **Q.** To the left. And you indicate here that the overall
7 path of the gunshot wound is front to back and downward so what
8 do you mean perhaps by downward and path?

9 **A.** That's the next one.

10 **Q.** Oh sorry, I apologize.

11 **A.** So for the wound in the chest, it was right to left
12 and slightly back to front.

13 **Q.** Okay, sorry, I apologize. So if we could go to the
14 third distinct gunshot wound which was a gunshot wound to the
15 abdomen, I'm wondering if you could take us through your
16 observations and conclusions there.

17 **A.** Yes. The entrance wound was in the left side of the
18 abdomen. Anatomically we usually break up the abdomen into
19 quadrants: upper, lower, right and left, so this was left lower
20 quadrant meaning it was on the left side, inferior to the level
21 of the umbilicus or the belly button. The entrance had similar
22 characteristics to the other two, in other words there was no

DR. ERIK MONT, Direct Examination

1 evidence that this was contact or close range wound. This wound
2 was angled downward and from front to back. So the wound track
3 went through the abdominal wall into the pelvis and then through
4 the pelvis. The projectile actually lodged in the left buttock.

5 Q. So when we have this wound described as front to back,
6 which differs from the previous two that said back or slightly
7 back to front, could this be suggestive of movement of either
8 party, movement of maybe Lionel Desmond facing more directly
9 towards Shanna Desmond or Shanna Desmond moving and facing more
10 directly towards Lionel Desmond?

11 A. That's possible. As you mentioned earlier, we don't
12 know the order in which these wounds were sustained and other
13 than they were all sustained in relatively close proximity, we
14 don't know that they were sustained within a few seconds or it's
15 possible it could even be a few minutes in between. So the
16 change in position could be related to rapid movement as someone
17 falls or twists as they fall or alternatively, it could be a
18 shot fired earlier or later in the course of this event.

19 Q. So I guess clearly compared to, and I realize you
20 can't put the sequence of the three separate distinct shots in
21 order of which happened first, but given that we have two that
22 are slightly back to front and one that is front to back, is

DR. ERIK MONT, Direct Examination

1 that suggestive of one of the two parties or both, at some
2 point, moved during one of the three shots?

3 A. It would necessitate that, yes.

4 Q. And at some point during this third injury, and I
5 understand you can't put them in order, would have had the
6 victim facing towards the firearm?

7 A. Yes.

8 Q. And, Doctor, I won't get you to elaborate on the
9 details but you did a separate sort of internal and external
10 examination and you describe in your report that that was sort
11 of an assessment of the heart, liver, lungs, those internal
12 organs. Is that something that is sort of standard in a
13 postmortem examination?

14 A. Yes.

15 Q. And in this particular case, sparing the details if
16 you can, in terms of the conclusions reached with Shanna Desmond
17 and the cause and manner of death, did those examinations have
18 anything of any ... were they remarkable in any way?

19 A. There were no findings that were contributory to the
20 cause of death.

21 Q. If we could move to Exhibit 65.

22 **EXHIBIT P-000065 - TOXICOLOGY REPORT - SHANNA DESMOND**

DR. ERIK MONT, Direct Examination

1 **Q.** And, Doctor, this particular document, what is it?

2 **A.** This is a toxicology report.

3 **Q.** And it doesn't specify a name, however, it has a date
4 of birth of July 2nd of 1985 and age 31 and there's a patient
5 I.D. number. Can we conclude, I guess, and this is obviously
6 leading but I'll bend the rules in the circumstances, that that
7 is the toxicology report of Shanna Desmond?

8 **A.** It is.

9 **Q.** And you had, I believe, requested perhaps this
10 toxicology report be completed?

11 **A.** Yes.

12 **Q.** And this report is three pages and what sort of things
13 are being tested for in a toxicology report such as this and
14 why?

15 **A.** We have a contract with NMS Labs who does a lot of
16 forensic work, a lot of postmortem toxicology work, who conducts
17 our toxicology and through them we are able to order a number of
18 different tests. In most cases we order panels of tests. We
19 have, in most cases, that encompasses either a basic panel or an
20 expanded panel. A basic panel captures a wide array of drugs,
21 captures most common drugs of abuse as well as alcohol as well
22 as some therapeutic drugs including opiates, it doesn't

DR. ERIK MONT, Direct Examination

1 encompass or capture every drug. The expanded panel captures
2 more drugs, it captures all of those drugs that the basic panel
3 captures. In addition, it captures a number of therapeutic
4 drugs. There is no panel that can possibly capture everything
5 possible. We can sometimes order specific tests if that's
6 warranted in a case but these panels are quite comprehensive.
7 So in this case, the blood that was sent there underwent testing
8 for that basic panel.

9 **(11:17:27)**

10 **Q.** And on the report, the report back to you, it says on
11 the first page Causative Findings?

12 **A.** Yes.

13 **Q.** And it sort of lists two things, I guess, I'm not sure
14 if they're the same one. I wonder if you could explain what the
15 positive findings were. So a result did come back and what was
16 it?

17 **A.** Ethanol was found in the blood. Ethanol is alcohol
18 typically that people drink. This is a relatively low
19 concentration so as a point of reference, the blood alcohol
20 concentration in this case was .02 grams per 100 milliliters.
21 The legal limit for driving in this province is .08 so well
22 below that.

DR. ERIK MONT, Direct Examination

1 **Q.** Okay. And just another question about the particular
2 toxicology screens that are requested. If we look to the third
3 page of that Exhibit 65 and I guess we'll look at the third page
4 first. It says amphetamines, barbiturates, benzodiazepines,
5 cannabinoids, cocaine, fentanyl, methadone, it lists a fairly
6 comprehensive number of drugs and if we look at page two, it
7 lists a number of things as well, a number of compounds?

8 **A.** Yes.

9 **Q.** MDA? MDMA?

10 **A.** Mm-hmm.

11 **Q.** What is the purpose of these being listed on this
12 report?

13 **A.** This indicates the threshold level for detection and
14 reporting for this particular test. So just as an example, the
15 threshold level for amphetamine is five nanograms per
16 milliliter. If there were four nanograms per milliliter in the
17 sample, it would not be detected and reported.

18 **Q.** Okay.

19 **A.** These are very low concentrations, though, so a
20 negative results means that nothing was found above these levels
21 of detection.

22 **Q.** Okay. And the list of all of these different drugs,

DR. ERIK MONT, Direct Examination

1 is that a comprehensive list of the drugs that were tested for
2 during the basic toxicology request?

3 **A.** Yes. This is the drugs that are tested and reported
4 under that basic test. Occasionally, in the course of that
5 test, the results will be such that the toxicologist will be
6 able to see an unidentified peak or an unidentified abnormality
7 and they may, if they do see that, they'll typically call us and
8 say, Do you want to pursue this? This looks like it might be
9 ... based on the characteristics of that, they may have an idea
10 of what it is and then specific testing can be done for that.

11 **Q.** And when you say these sort of thresholds, I guess,
12 are low, is it fair to say that they're deliberately low because
13 you want to be as comprehensive as you can to see if they're
14 actually detected?

15 **A.** That's right.

16 **Q.** And, I guess, scientifically, they are extremely low?

17 **A.** That's right.

18 **Q.** And is there a basis for the cutoff? Is it sort of
19 questionable whether you can even detect it any level below
20 that?

21 **A.** Based on their methods of detection, that is the
22 lowest level that they can reliably detect.

DR. ERIK MONT, Direct Examination

1 Q. Okay, thank you.

2 **EXHIBIT P-000045 - REPORT OF POSTMORTEM EXAMINATION - AALIYAH**
3 **DESMOND**

4 If we move to Exhibit 45. Doctor, you recognize this
5 document.

6 A. Yes, I do.

7 Q. And this is the postmortem exam of Aaliyah Desmond?

8 A. Yes, it is.

9 Q. And in terms of cause of death, you noted it as what?

10 A. Gunshot wound of face, neck and chest.

11 Q. And, earlier, you clarified that this was a single
12 gunshot wound?

13 A. That's correct.

14 Q. And, Doctor, if you could describe, you have on the
15 first page "Autopsy Findings".

16 A. Yes.

17 Q. What were there?

18 A. The findings were all related to that single gunshot
19 wound. So there was a single entrance wound and injuries within
20 the pathway of that wound. So injuries of the face including
21 fractures of the mandible and teeth, soft tissue injuries as
22 well. Injuries in the neck, including the bony and

DR. ERIK MONT, Direct Examination

1 cartilaginous structures in the neck were fractured. The wound
2 track continued into the chest where the right lung was injured
3 and there was hemorrhage in the right thoracic cavity associated
4 with those injuries.

5 The projectile and this is, again, a penetrating injury, it
6 has no exit wound, so the projectile was recovered in this case
7 from the right side of the chest.

8 Q. So would it be fair to say that this single gunshot
9 wound was such that it penetrated a number of sort of internal
10 structures that would've certainly been fatal?

11 A. Injured a number of structures that certainly were
12 fatal in this case.

13 Q. And in Aaliyah's case you, I believe, indicated death
14 would've been seconds or ...

15 A. I think minutes in this case.

16 Q. Minutes? And you indicated that the, again, entrance
17 had no associated stippling or discernable soot.

18 A. That's right.

19 Q. And, again, that suggested to you of not very close
20 range?

21 A. Correct.

22 Q. Based on your observations of the wound, again, are

DR. ERIK MONT, Direct Examination

1 you able to sort of, as best you can, put an estimate on range
2 of a distance between the gun and the ultimate injuries
3 sustained to Aaliyah Desmond?

4 **A.** Again, very generally, somewhere on the order of three
5 feet or so.

6 **Q.** And you described, on page three of the report, the
7 overall path of the gunshot wound is what?

8 **A.** Front to back, downward, and left to right.

9 **Q.** So I wonder if you could describe that for the Court a
10 little bit?

11 **A.** Yes. The entrance wound was in the lower lip,
12 slightly left of the midline, and the projectile was recovered
13 in the right side of the chest.

14 So that pathway was ... entered from the front side of the
15 body and travelled downward and left to right within the body
16 and somewhat front to back, going through the structures of the
17 face, the neck, and the right side of the chest.

18 **THE COURT:** I was going to ask you, Dr. Mont, when you
19 have an injury like that, you know, when it enters the lip, it's
20 going to hit bone, and then the path of the projectile can
21 change. It's no longer being driven by the force that delivered
22 it, but it changes at that point in time so it then depends on

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1 what ...

2 **A.** It's possible.

3 **THE COURT:** ... it encounters ... changes the path?

4 **A.** It's possible. So, yes, that's possible. A couple of
5 things can happen there. The projectile can change path or
6 ricochet or slightly alter its angle. These type of projectiles
7 often also break up, so different fragments of that can travel
8 off at slightly different angles.

9 So when I'm referring to that overall path of the wound,
10 essentially what I'm talking about is from the entrance to the
11 location in which the projectile was recovered. That general
12 direction is front to back, downward, and right to left.

13 **(11:27:00)**

14 **THE COURT:** That's the way it travelled, whether it
15 travelled as a result of ricochet or deflection.

16 **A.** Whether that was a perfectly straight line or not is
17 not clear.

18 **THE COURT:** That's the path. Thank you.

19 **MR. RUSSELL:** So, Doctor, are you able to sort of comment
20 on, I guess, is it safe to say we know that Aaliyah Desmond was
21 shot in the face? Are you able to comment on where the firearm
22 would've been in proximity to her? Would it be facing her? Or

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1 sort of in a frontward direction, a shooter were perhaps looking
2 at her?

3 **A.** Again, relative position of the firearm to her would
4 have been in front of her, above her and slightly to the left of
5 her, and that is with the body in the anatomic position.

6 So if I may stand up.

7 **Q.** Yes, yes.

8 **A.** What we're talking about, directionality, is from here
9 to here. So the firearm would be angled this way relative to
10 her.

11 Now, again, the position of her body may alter that. If
12 she were bent forward, that may not be truly as much of a
13 downward angle as it appears with the body in the anatomic
14 position.

15 Same may be true of her twisting. I mean there are a lot
16 of variables that just can't account for in looking just at the
17 injuries.

18 **Q.** In this report on page three, you also noted a heading
19 "Additional Injuries". What was the additional injury you
20 noted?

21 **A.** She had two additional injuries that were abrasions on
22 the face. Abrasions are scrapes. Relatively superficial wounds

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1 of the skin on the face. One was on the bridge of the nose and
2 that was quite superficial and the other one was just outside of
3 the orbit, or just below and outside the eye, and that was on
4 the left side.

5 Q. Could you tell if these abrasions were sort of an
6 extension of the gunshot wound or are you able to say that
7 perhaps they were separate and distinct?

8 A. They appeared to be separate and distinct. It should
9 be noted that they looked fresh. They didn't appear to be
10 healing wounds, but that doesn't necessarily mean that they
11 occurred at precisely the same time the gunshot wound injuries
12 occurred.

13 So, theoretically, it's possible she had these already when
14 the gunshot wounds occurred. Alternatively, it's possible that
15 she sustained them when she fell from the gunshot wound, if she
16 fell from the gunshot wound.

17 Q. And there's no way you could tell?

18 A. Not with any degree of certainty. Had they been
19 healing, microscopic examinations sometimes can be helpful.

20 In the course of an autopsy, we try very hard not to
21 disfigure bodies more than necessary, so we very rarely take
22 microscopic sections from the face.

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1 **Q.** But you could say that they were fresh or recent.

2 **A.** Yes.

3 **Q.** I apologize for jumping around, but I'd like to go
4 back to Exhibit 61 which was the postmortem exam of Shanna
5 Desmond that we had reviewed earlier and, in particular, page
6 four.

7 There, as well, you noted an additional injury as it
8 related to Shanna Desmond. I'm wondering if you could say what
9 that was?

10 **A.** That was also an abrasion or a scrape on the side of
11 the back, the left side of the back. It did not appear to be
12 directly associated with any of the gunshot wounds.

13 **Q.** Okay. And you described Aaliyah Desmond's facial
14 injury, the additional injuries, as fresh or more recent. Would
15 the same have appeared in terms of this injury?

16 **A.** Yes.

17 **Q.** Yes?

18 **A.** Yes.

19 **Q.** And not associated to a gunshot wound.

20 **A.** Not directly associated. So, for instance, these
21 could've occurred when one of them collapsed after being shot,
22 but not directly attributable to the gunshot wound itself.

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1 **Q.** Okay. Is there any way for you to determine, and I
2 know this a very sort of broad question and maybe it's too far
3 extending. The additional injury to Aaliyah Desmond and the
4 additional injury to Shanna Desmond, could it have been
5 consistent in any way with a struggle between two parties?

6 **A.** It's possible. That is certainly a possibility. I'll
7 say that neither of these had any pattern that was recognizable
8 to me. In other words, they didn't ... there are occasions in
9 which injuries like this have a pattern that suggests, or can be
10 matched with, the object that caused them. Neither of these
11 cases had any specific pattern that I could see that suggested
12 what caused them or exactly how they were caused.

13 **Q.** Okay. And, finally, with Aaliyah Desmond's postmortem
14 exam, similarly, the question to the postmortem exam of Shanna
15 Desmond, you did an external examination and an external (sic)
16 examination and, in particular, again, you went through various
17 organs. Was there anything of any real relevance to the cause
18 and manner of death in those areas of your report?

19 **A.** No. Other than the injuries, she appeared to be
20 anatomically normal.

21 **Q.** If we could move to Exhibit P-000019 and, Doctor, this
22 ...

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1 **THE CLERK:** I'm sorry, did you mean 000049?

2 **EXHIBIT P-000049 - TOXICOLOGY REPORT - AALIYAH DESMOND**

3 **MR. RUSSELL:** P-000049. I apologize. And, Doctor, this
4 appears again with the toxicology report?

5 **A.** Yes.

6 **Q.** And is this toxicology report in relation to Aaliyah
7 Desmond?

8 **A.** Yes, it is.

9 **Q.** It indicates a patient ID number and age ten years?

10 **A.** Yes.

11 **Q.** And, Doctor, had there been anything that came back
12 after the toxicology was conducted?

13 **A.** They didn't detect any substances.

14 **EXHIBIT P-00050 - AMENDED REPORT OF POSTMORTEM EXAMINATION -**
15 **BRENDA DESMOND**

16 **Q.** Okay. If we could look at Exhibit 000050.

17 Doctor, I should ask before we're moving on to our next
18 postmortem report, just if you needed a drink of water or any
19 sort of break?

20 **THE COURT:** I was going to ask the same question. I
21 note that we started at 10. It's 11:30 so this may be a good
22 opportunity to take a short break All right?

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1 Thank you, Doctor.

2 **COURT RECESSED (11:36 HRS.)**

3 **COURT RESUMED (11:52 HRS.)**

4 **THE COURT:** Mr. Russell, I think you were just turning
5 to Exhibit 50.

6 **MR. RUSSELL:** Yes, Your Honour.

7 So, Doctor, Exhibit 50, which is in front of you, where we
8 left off, this Amended Report of Postmortem Examination, Brenda
9 Desmond ...

10 **A.** Yes.

11 **Q.** It's the first, I guess, and only report or first
12 report we see that says amended. What's behind that? Why does
13 it say amended?

14 **A.** In the initial report that I had issued I made some
15 typographical errors, some copy and paste errors with regard to,
16 in the Summary and Opinion section with regard to family
17 relations, so this was issued to correct that.

18 **Q.** So there was nothing of significance in terms of
19 ultimately determining cause and manner of death?

20 **A.** Nothing of significance with regard to the cause and
21 manner of death, no.

22 **Q.** Okay. And as it relates to Brenda Desmond, you

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1 indicated that the cause of death on the first page was what?

2 **A.** Gunshot wound to the chest.

3 **Q.** And you made a number of autopsy findings but, in
4 particular, I guess, if we could start with Evidence of Injury,
5 page 2.

6 **A.** Yes.

7 **Q.** And I'm wondering if you could describe that
8 particular wound.

9 **A.** This is, again, a single gunshot wound. The entrance
10 wound had similar characteristics to the other wounds we've
11 discussed, specifically, no evidence of contact or close range
12 gunfire. The entrance wound was in the posterior or back of the
13 right shoulder and the wound tracked across the body to the left
14 side of the chest, where the projectile was recovered. This
15 again was a penetrating injury that was not associated with an
16 exit wound, so the projectile was recovered in the body.

17 **Q.** And are there any particular sort of arteries or
18 organs that might have been penetrated as a result of this
19 wound? I might have missed that in your description but ...

20 **A.** Yes. So this, this wound went through a number of
21 structures in the neck before it went into the left side of the
22 chest, as well as the right side of the chest but, in

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1 particular, some of the very large arteries that branch off the
2 aorta that supply blood to the head and neck were injured, as
3 well as injury to the lungs and some other structures.

4 Q. Earlier you mentioned, you just mentioned neck ...

5 A. Yes.

6 Q. And in the report it says right upper back.

7 A. Yes.

8 Q. I just want to reconcile the two, I guess.

9 A. So this has an interesting pathway and, as we
10 discussed earlier, the path sometimes between the entrance wound
11 and the recovery site or the exit wound is not a perfectly
12 straight line, either because the pathway is deviated by hitting
13 a solid structure or because of the position of the body at the
14 time the wound was sustained. So just as an example, this is a
15 hypothetical example that does not apply in this case, but you
16 might imagine a scenario in which somebody's shoulders are
17 pushed together in the front, where you might have an entrance
18 wound here and an exit wound here, so both in the back. It's
19 hard to make that a straight line with the body in the anatomic
20 position. The same is true of this particular wound. So the
21 entrance wound was in the upper back or in the back of the right
22 shoulder. Some of the structures in the neck were injured, the

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1 lower part of the neck, and the projectile was recovered in the
2 left side of the chest.

3 Q. And you describe the gunshot wound path as ... I
4 wonder if you could indicate again what that was.

5 A. Back to front, right to left, and upward.

6 Q. So I guess I'm just trying to, as much as possible,
7 sort of orient where the gun that fires the shot ultimately
8 comes from, the bullet. Would that have been facing in front of
9 Brenda Desmond, directed towards her, or behind her?

10 A. Somewhat behind her and to the right side would be
11 where the gun was situated and aimed from her right to her left
12 side.

13 Q. So am I able to say that if the shooter is stationary
14 and holding the gun stationary, given this particular path, I
15 guess, could you suggest perhaps that Brenda Desmond had been
16 turned?

17 A. Yes.

18 Q. And with her back facing towards the gun and shooter?

19 A. Yes, not directly back-facing but somewhat turned to
20 the side, but the entrance wound is, in fact, in the back of her
21 shoulder.

22 Q. Into the back. And are you able to sort of estimate,

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1 again, I know, as much as possible, because this didn't have any
2 sort of evidence of stippling, muzzle imprint, et cetera, the
3 distance between firearm and wound entry?

4 **A.** Yes. Again with the caveat that this is what we
5 would refer to as an indeterminate range, because she did have
6 clothing on, as well, this did go through clothing, but there
7 was no evidence to suggest that this was within, on the order of
8 three feet or so.

9 **Q.** I note in this report at page 3 it has a title that
10 says Evidence, right at the very bottom of the screen there,
11 Evidence of Medical Intervention.

12 **A.** Yes.

13 **Q.** What was that?

14 **A.** These were adhesive electrocardiogram pads.
15 Responding medical personnel, EHS personnel, often come, when
16 they're called to a scene will put EKG pads on and establish
17 that there is no cardiac activity, there is cardiac electrical
18 activity or that there is. But oftentimes there are these
19 adhesive pads that remain on the body after they leave.

20 **Q.** And, Doctor, I guess, in comparison to your findings
21 as it relates to Shanna Desmond and Aaliyah Desmond, is the
22 nature of the injury to Brenda Desmond that was ultimately fatal

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1 such that had there been early intervention, sort of medical
2 intervention, that there was a possibility that she might have
3 survived? Is that a fair question or ...

4 **A.** It's a difficult question to answer. You know, these
5 ... it's somewhat speculative. In a hypothetical scenario where
6 someone sustains these kind of injuries just outside an
7 operating room, with a trauma surgeon poised to intervene, some
8 things might be possible. This kind of ties in with the time
9 listed on the medical certificate of death from the onset of
10 injury.

11 In this case, there were some significant injuries that may
12 not have been survivable even under the best scenario. I can't
13 say that with a hundred percent certainty though. That had this
14 happened and had there been intervention immediately, it's
15 possible. That is a distinction from a case like Shanna Desmond
16 where the spinal cord in the neck is transected or, in Lionel's
17 case, where the wound itself is just not a survivable injury.

18 **(12:02:22)**

19 **Q.** Okay. So would it be fair to say it was ... the type
20 of injury was less immediately fatal, would that be a fair
21 comment?

22 **A.** Yes.

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1 Q. And, again, you conducted an internal and external
2 examination of various sorts of organs, heart, kidneys, et
3 cetera. Was there anything remarkable that impacted your
4 finding on the cause or manner death for Brenda Desmond?

5 A. Nothing that played a role in the cause or manner of
6 death.

7 Q. If we could turn to Exhibit 54.

8 **EXHIBIT P-000054 - TOXICOLOGY REPORT - BRENDA DESMOND**

9 So, Doctor, this appears to be a toxicology report as it
10 relates to, again, a patient ID, age 52. Is this the toxicology
11 report of Brenda Desmond?

12 A. Yes.

13 Q. And was this panel, you described a number of
14 possibilities of requests, the basic, the extended, I believe,
15 it was or ...

16 A. This was a, this was a basic panel.

17 Q. And did anything come back as detected?

18 A. No.

19 **EXHIBIT P-000055 - AMENDED REPORT OF POSTMORTEM EXAMINATION -**
20 **LIONEL DESMOND**

21 Q. I wonder if we could turn to Exhibit 55. You
22 recognize this report?

DR. ERIK MONT, Direct Examination

1 **A.** I do.

2 **Q.** And again, Doctor, it's Amended Postmortem
3 Examination and it appears to be of Lionel Desmond, is that
4 correct?

5 **A.** Yes.

6 **Q.** And again it says "amended", just like Brenda
7 Desmond's said "amended". I wonder if there was any particular
8 reasoning for that?

9 **A.** It was the same reasons as the other report.

10 **Q.** And the amendments, were they substantial to an
11 extent that they impacted your final conclusions?

12 **A.** Not that they impacted the final conclusions.

13 **Q.** So, Doctor, here you indicate cause of death to
14 Lionel Desmond as what?

15 **A.** Gunshot wound to the head.

16 **Q.** And you indicated in Summary and Opinion ... three
17 lines down under Summary and Opinion, you say: "The history,
18 scene findings, and autopsy findings were consistent with a
19 self-inflicted wound."

20 **A.** Yes.

21 **Q.** And what led you to that conclusion?

22 **A.** A number of factors related to the history as it was

DR. ERIK MONT, Direct Examination

1 known to me at the time, the course of events. And the scene
2 supported that, as well, where the bodies were found, where this
3 decedent was found, where the firearm was found initially, and
4 the nature of the wound are all consistent with a self-inflicted
5 wound.

6 Q. And if we could turn to page 2, you have Evidence of
7 Injury, and I believe it was one single gunshot wound in this
8 case, and I wonder if you could describe that single wound.

9 A. This appeared to be a contact range gunshot, in which
10 the muzzle was applied directly to the skin, essentially,
11 between the eyebrows in the, in the front of the face, slightly
12 left of the midline but close to the midline. There was a
13 discrete exit wound in the back or posterior aspect of the left
14 side of the head, and the wound itself was associated with
15 devastating injuries.

16 As I had talked about briefly earlier, when a firearm is
17 discharged not only is the projectile expelled from the muzzle
18 of the gun but burning and unburnt powder, smoke, and a lot of
19 expanding gas is expelled. And that in a contact range gunshot
20 wound is expelled into the wound itself, so that causes a great
21 deal of devastation to the tissue, which was the case here,
22 extensive disruption of the scalp and the brain.

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1 **Q.** And, Doctor, you indicated, I believe it was
2 stippling in this particular case ...

3 **A.** There was no ...

4 **Q.** There was no stippling.

5 **A.** Stippling would suggest that the muzzle of the weapon
6 was at a distance sufficient to allow the spread of those
7 particles to hit the skin outside of the entrance wound. So
8 outside of that circular entrance wound we would see a pattern
9 of abrasions that's known as stippling. In this case there was
10 soot around the wound, suggesting that the smoke, which does not
11 travel as far as those solid particles, was deposited on and in
12 the wound suggesting a contact wound rather than a close-range
13 wound.

14 **Q.** So when you say suggestive of a contact wound is that
15 a contact between, I guess, the muzzle of the gun and Lionel
16 Desmond's skin?

17 **A.** Skin. Yes.

18 **Q.** So is it fair to say it was your opinion that Lionel
19 Desmond had turned the gun on himself, made contact with his
20 skin and face and fired the shot?

21 **A.** Yes.

22 **Q.** And what part of his head was the point of contact?

DR. ERIK MONT, Direct Examination

1 Are you able to ...

2 **A.** The entrance was in the front of his face, the lower
3 forehead, between his eyebrows.

4 **Q.** And, Doctor, you described a very - I don't want to
5 get into too many details but it was a very sort of lethal shot.

6 **A.** Yes. So going back to the estimates of time from
7 onset to death this was, essentially, instantaneous. I think on
8 the medical certificate of death I may have said seconds but
9 that really referred to probably seconds before all physiologic
10 activity ceased. As far as any cognition or voluntary
11 movements, this was, essentially, instantaneous.

12 **Q.** And, Doctor, a sort of side question. Are you
13 familiar with something referred to as post-concussion syndrome,
14 or I believe it may have another name, where injuries to the
15 brain are sort of suggestive of causing or impacting certain
16 psychological disorders or mood changes?

17 **A.** Yeah, you're referring to CT or chronic traumatic
18 encephalopathy.

19 **Q.** Yes.

20 **A.** Yes.

21 **Q.** And I just wanted to cover off, without getting into
22 the details, obviously, but in this particular case would a

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1 postmortem examination of that have been possible due to the
2 nature of the injury Lionel Desmond had inflicted upon himself?

3 **A.** Unfortunately, no.

4 **Q.** And, Doctor, you conducted, again, sort of an
5 internal examination and an external examination which involved
6 various organs, such as the heart, liver, lungs. Again, was
7 there anything remarkable that would have impacted your
8 conclusions on the cause and manner of death of Lionel Desmond?

9 **A.** No.

10 **EXHIBIT 000059 - POSTMORTEM TOXICOLOGY REQUISITION - LIONEL**

11 **DESMOND**

12 **Q.** If we could turn to Exhibit 60, or, I guess, 59, if I
13 might. Doctor, what is this particular Exhibit 59?

14 **A.** This is the requisition that is completed in order to
15 submit toxicology specimens to NMS Lab.

16 **Q.** And I notice sort of midway through the page, and
17 this is as it relates to Lionel Desmond ...

18 **(12:12:02)**

19 **A.** Yes.

20 **Q.** A Postmortem Toxicology of Lionel Desmond. So here
21 there's, again you referred to this earlier, there's basic,
22 expanded, and expert?

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1 **A.** Yes.

2 **Q.** And in this case you requested that the postmortem
3 toxicology of Lionel Desmond, I guess, be different than Shanna,
4 Aaliyah, and Brenda, and you selected which option?

5 **A.** The expanded panel.

6 **Q.** And what was your reasoning behind requesting the
7 expanded panel?

8 **A.** At the time it appeared that the decedent had
9 committed the homicides of the other three victims and taken his
10 own life, so his state of mind and state of intoxication, as
11 well as his therapeutic drug intake, appeared to be pertinent.
12 So I thought it was prudent to order the expanded panel to
13 capture some of those therapeutic drugs. Some of the drugs
14 included in the expanded panel do include antidepressant
15 medications, anxiolytic medications, as well as a number of
16 other therapeutic drugs.

17 **Q.** So it's more comprehensive?

18 **A.** Yes.

19 **EXHIBIT P000060 - TOXICOLOGY REPORT - LIONEL DESMOND**

20 **Q.** Doctor, if you could look at Exhibit 60.

21 I'm again mindful that I'm leading a little bit, but this
22 appears to be the toxicology exam results of that expanded panel

DR. ERIK MONT, Direct Examination

1 as it related to Lionel Desmond?

2 A. Yes.

3 Q. And, Doctor, were there any positive findings found
4 in that toxicology examination?

5 A. Yes.

6 Q. And what were they?

7 A. Caffeine was detected and mCPP was detected.

8 Q. I guess if we could just scroll the screen down a
9 little bit. And I think we all sort of understand what caffeine
10 is but there's a description as to, on page 2, what caffeine is.
11 I wonder, I guess, the scientific physiological. I wonder if
12 you could explain that.

13 A. Caffeine?

14 Q. Yes, and the effects on someone.

15 A. It's a central nervous system stimulant. You know,
16 as it probably says here, it can change or it can alter people's
17 level of alertness, as well as some of their physiologic
18 characteristics. So it can increase heart rate, blood pressure,
19 things like that.

20 Q. What's more interesting is the mCPP.

21 A. Yes.

22 Q. And what is mCPP?

DR. ERIK MONT, Direct Examination

1 **A.** Meta-chlorophenylpiperazine.

2 **Q.** Okay.

3 **A.** It is, in the context of this case, I think it's a
4 metabolite of an antidepressant drug. Piperazines are a class
5 of drugs that are sometimes used as antidepressants. In other
6 contexts, sometimes this substance is detected in illicit
7 preparations of Ecstasy. There's nothing to suggest that
8 that's the case here.

9 **Q.** Okay. And in terms of it's a metabolite of those
10 antidepressants, and then there's a description about those
11 antidepressants, about sort of adverse effects of that
12 medication. What can be those adverse effects?

13 **A.** Well, adverse effects are when a drug is tested,
14 every adverse effect that a person experiences is recorded. And
15 in this case those have included nausea, vomiting, dizziness,
16 sweating, induction of migraine-like headache, anxiety,
17 depressive symptoms and paranoia. This is a list of all of
18 those and it doesn't capture whether this is dose-related or
19 duration-related or any of those factors.

20 **Q.** And just for the sake of clarification, could you
21 detect sort of a level of dosage of a particular drug, and in
22 this case you know that there's a metabolite there, and I guess

DR. ERIK MONT, Direct Examination

1 metabolite is very different than saying a particular dosage of
2 a drug is in his system at the time something is happening. I
3 just wonder if you could explain that a little bit.

4 **A.** Well, in general or with specific reference?

5 **Q.** With specific reference to this case.

6 **A.** In this case, this is probably a metabolite of
7 trazodone. The concentration is ... in postmortem specimens is
8 not well-established. Typically, when drugs are consumed they
9 are metabolized in any one of several different ways, either in
10 the liver or excreted in the kidneys through the urine. They're
11 broken down in different ways. And this is the substance that
12 we can detect with people who have consumed Trazodone as an
13 antidepressant. Postmortem concentrations of drugs are subject
14 to some alteration based on postmortem changes in the body. So
15 they can't be interpreted in, in the same range as therapeutic
16 concentrations are published in living people. So this level
17 doesn't appear to be particularly high. It's somewhat
18 speculative exactly how to interpret that though.

19 **Q.** Okay. And so, Doctor, you had testified that you had
20 requested and got the results back of the expanded panel.

21 **A.** Yes.

22 **Q.** Which were tested for a very comprehensive number of

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1 drugs in Mr. Desmond's system at the time of his death. Was
2 there any suggestion to you that there were any other drugs in
3 his system other than caffeine and the metabolite mCPP, which
4 you believe was linked to the antidepressant trazodone?

5 **A.** Those were the only substances that were detected in
6 this panel.

7 **Q.** And, Doctor, when you reached your conclusion in
8 terms of cause and manner of death, had there been evidence or
9 indications that a particular drug, whether it was caffeine,
10 which we'll admit is fairly doubtful, or trazodone playing an
11 integral role into what occurred and why this occurred, would
12 you have noted that? I know that was a bit of a long question.

13 **A.** I think I understand the question though. When we
14 certify the cause and manner of death we consider usually the
15 physiologic disease or injury that leads to someone's death and,
16 as far as the manner goes, whether it was an intentional and
17 volitional act of the individual either to cause harm to someone
18 else or cause harm to themselves. Beyond that, the reasons
19 don't play into our certification. People may be suicidal or
20 homicidal for any number of reasons, whether that's drug
21 induced, whether that's related to some other trauma. There are
22 any number of reasons. Doesn't change the fact that this is the

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1 cause and the manner of death.

2 **Q.** Okay.

3 **A.** So I did order the expanded panel to have that
4 additional bit of information anticipating that that would be
5 important in the course of this investigation but not in the
6 context of changing the cause and manner of death, more in the
7 context that we're in right now.

8 **(12:22:06)**

9 **Q.** If I might have just one moment, Your Honour.

10 So, Doctor, I just want to sort of conclude with a
11 question. I mean I anticipate the answer; however, I certainly
12 should ask it: You did the postmortem examinations and cause
13 and manner of death for Lionel Desmond, Shanna Desmond, Aaliyah
14 Desmond, Brenda Desmond. Based on the totality of the evidence,
15 including postmortem examinations, medical evidence, scene
16 evidence, toxicology evidence, all the factors that you
17 considered, are you able to put sort of an order or sequence in
18 terms of who might have been shot first and who was shot last?

19 **A.** Well, yes, who was shot last. As I mentioned, there
20 would have been no volitional acts performed by Lionel Desmond
21 after he sustained his injury. With regard to the order of the
22 other three, I can't tell which was first, second, or third.

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1 **MR. RUSSELL:** No further questions for the Deputy Medical
2 Examiner, Your Honour.

3 **THE COURT:** Thank you. Ms. Ward?
4

5 **CROSS-EXAMINATION BY MS. WARD**

6 **(12:24:01)**

7 **MS. WARD:** Just one question, Dr. Mont. Are you able to
8 say, and this calls for speculation and opinion, but would the
9 injuries that Brenda Desmond sustained, would she have been able
10 to make a phone call after she sustained the injuries or would
11 that have been impossible?

12 **A.** It is a difficult question. I can say that she
13 didn't sustain injuries that would have prevented her from any
14 volitional act either through cognition or through ... She
15 didn't sustain injuries to the central nervous system, she
16 didn't sustain injuries to the extremities that would prevent
17 her from that. Whether she would be able to and what the
18 duration of her consciousness was after the injury I can't say
19 with a great deal of certainty. There are a number of reports
20 in the literature that address post-injury survival and activity
21 and they vary widely. There are well-documented reports of
22 people who have injuries similar to this who are immediately

DR. ERIK MONT, Cross-Examination by Ms. Ward

1 incapacitated and, on the other hand, there are well-documented
2 cases of people who have sustained quite a bit of activity,
3 quite a bit of physical and mental activity afterwards, so I
4 wouldn't say it's impossible. It would be speculative.

5 Q. Thank you, Doctor.

6 **THE COURT:** Mr. Anderson?

7 **MR. ANDERSON:** No questions, Your Honour.

8 **MR. MACDONALD:** No questions, Your Honour.

9 **THE COURT:** Mr. Macdonald. Ms. Whitehead?

10 **MS. WHITEHEAD:** No questions, Your Honour.

11 **MS. MILLER:** I have no questions, Your Honour.

12 **THE COURT:** Ms. Whitehead, no questions. Mr.
13 Rodgers?

14 **MR. RODGERS:** Thank you, Your Honour.

15

16 **CROSS-EXAMINATION BY MR. RODGERS**

17 **(12:26:34)**

18 **MR. RODGERS:** Dr. Mont, I'm Adam Rodgers and I'm
19 representing the personal representative of Corporal Desmond, so
20 I do have a few questions for you. In reviewing your, I guess,
21 Amended Report of Postmortem Examination, and forgive me, I
22 can't remember the exhibit number ...

DR. ERIK MONT, Cross-Examination by Mr. Rodgers

1 **THE COURT:** Which Amended Report?

2 **A.** 55, I believe.

3 **MR. RODGERS:** 55, yes, thank you. In there, Doctor, on
4 the third page of that report, you indicate you made some
5 measurements of Corporal Desmond's internal organs, his liver,
6 heart, spleen, and kidneys.

7 **A.** Yes.

8 **Q.** Now the little bit of research that I was able to do
9 to try to figure out what might be a normal or expected size of
10 those might not be correct, so I want to ask you a few questions
11 just to see if there's any relevance to those weights that might
12 apply here. So the size of his liver, I think, you have at
13 1110 grams. Is that roughly normal? I saw some reports that
14 said a normal liver might be a little larger than that.

15 **A.** Well, as in most things related to the human body,
16 there's a spectrum of what is normal. This would be smaller
17 than the median weight for someone his size and gender and age
18 but, beyond that, I don't think this was ... would fall outside
19 of what is considered a range of normal.

20 **Q.** Okay. So ...

21 **A.** So I would say smaller than average but not
22 abnormally small.

DR. ERIK MONT, Cross-Examination by Mr. Rodgers

1 **Q.** Okay. So it didn't raise any issues with you that
2 there might be some condition that caused that?

3 **A.** No.

4 **Q.** Okay.

5 **A.** Nor did I see anything microscopically that suggested
6 significant pathology.

7 **Q.** Okay. And I saw you have his spleen at 120 grams. I
8 see some reports that that might be at the lower end of a range
9 and that if you have, at the lower end of a range that might be
10 indicative of a sickle cell disease. Is there any ... was that
11 something that you considered or is that accurate in any way?

12 **A.** Sickle cell disease and sickle cell trait are
13 slightly different in their degree of severity. So in somebody
14 with sickle cell anemia or sickle cell disease usually by this
15 age their spleen would be much, much smaller, almost
16 unidentifiable. In someone with sickle cell trait, they might
17 have a smaller spleen. There was nothing else in his history or
18 in his autopsy findings to suggest, though, that he had sickle
19 cell.

20 **Q.** And there was nothing ... And I'll tell you, from my
21 review, there was nothing in his other medical records that
22 suggested that, either, but would there be any other ... There

DR. ERIK MONT, Cross-Examination by Mr. Rodgers

1 was nothing else relevant about that measurement that raised any
2 issues with you, was there?

3 **A.** I didn't attribute any significance to it, no.

4 **Q.** Okay. In your notes ... Now where did you ... I'm
5 not sure where you said this in your report, but I think in your
6 lung you noted that there autolysis, not sure I'm pronouncing
7 that correctly.

8 **A.** Autolysis, yeah.

9 **Q.** Thank you. And edema and congestion. Is that ...
10 are those things that might have been caused by his death?

11 **A.** Yes, yeah.

12 **Q.** Okay.

13 **A.** Autolysis is a postmortem change. As I said,
14 essentially the moment someone dies those processes of
15 decomposition begin, and that's an early part of the process of
16 what goes on after death. The congestion and edema are very
17 non-specific findings that occur with a number of types of
18 death. The sudden neurological collapse in this case is what I
19 would attribute that to.

20 **Q.** And in your report you noted with his liver that
21 there was focal minimal steatosis.

22 **A.** Steatosis.

DR. ERIK MONT, Cross-Examination by Mr. Rodgers

1 **Q.** Steatosis.

2 **A.** So that there were some very small and minor areas of
3 fat accumulation in the cells of the liver. That is a non-
4 specific finding that can be associated with a number of things.
5 Some of them are disease-related and some of those are related
6 to exposures, including even relatively low concentrations of
7 alcohol.

8 **(12:32:12)**

9 **Q.** Okay. I want to move to the toxicology report, Dr.
10 Mont, and this is Exhibit 60, and you've answered much of this
11 already in your responses to my friend, Mr. Russell, but I want
12 to ask a little bit more about this mCPP. And in the report
13 it's noted that there's 20 milligrams, is that, am I reading
14 that correctly?

15 **A.** That was detected or ... In his blood ...

16 **Q.** Yes.

17 **A.** 34 nanograms per milliliter was the concentration.

18 **Q.** Of the mCPP?

19 **A.** Yes.

20 **Q.** Okay. And that'd be considered a fairly low dose. I
21 guess ... I want to get your thoughts, and you started to talk
22 about how it's difficult to compare a dose or a finding from a

DR. ERIK MONT, Cross-Examination by Mr. Rodgers

1 deceased individual to somebody that's alive and whether ... I
2 guess, can you dig a little deeper into that in this case? Is
3 the amount of mCPP you discovered, would you consider that a low
4 or mid or high dose or is that something you can conclude?

5 **A.** I would conclude that this is not a concentration
6 that would be associated with significant acute toxicity.
7 Beyond that, I wouldn't opine. You know, some of these other
8 chronic findings or adverse events that have been associated
9 with it, I'm not sure what dose dependency that is.

10 **Q.** Yeah.

11 **A.** So things that might be pertinent in this case, I
12 really wouldn't ... you know, things that they list, like
13 migraine-like headaches, anxiety, depressive symptoms, and
14 paranoia, it's kind of outside of the scope of what I can
15 comment on based on my experience and training.

16 **Q.** Okay, that's fine. I see some of the effects you
17 noted. Some of the other research that I did, and I'll ... if
18 you can comment on this, whether ... It suggested that it would
19 induce anxiety, as you mentioned, severe headaches, potentially
20 cognitive effects, depression and feelings of, you know, severe
21 depression or impending doom, those kinds of effects, and even
22 could worsen obsessive-compulsive disorder symptoms. Is that

DR. ERIK MONT, Cross-Examination by Mr. Rodgers

1 something that you had an opportunity to review in the course of
2 preparing this report?

3 **A.** Preparing ...

4 **Q.** Or reviewing in the course of preparing this report
5 or if it's something that you're just familiar with in the
6 course of your work?

7 **A.** I'm familiar with those potential side effects but,
8 again, whether or not those played a role in his experience and
9 behaviour, it would be completely speculative and, you know,
10 furthermore, I don't know what his particular history was with
11 regard to the duration he was on this and his compliance,
12 whether he was taking it all the time or at episodically. I
13 just don't know.

14 **Q.** Sure. And I think we'll find and there'll be
15 evidence presented about prescription of trazodone that he was
16 in receipt of. Whether he was taking that or overdosing on it
17 or anything else would be ... you wouldn't be able to comment on
18 that, based on the toxicology report?

19 **A.** Well, I wouldn't consider this an acute overdose, an
20 acute toxicity related to that, and by toxicity I mean a
21 physiologic toxicity that would be significant in independently
22 causing complications leading to death. Whether it affected his

DR. ERIK MONT, Cross-Examination by Mr. Rodgers

1 mental state or not, you have better experts coming on that can
2 answer that.

3 Q. Sure. No, I just wanted to ask you and see where, if
4 that was something that was in your realm.

5 Okay, Doctor, I want to move to a different topic, which -
6 and you've already touched on this, as well, and that is the
7 issue of a CTE, and I'm not going to try to pronounce that
8 again, but you discussed with my friend how it would not be
9 possible with Corporal Desmond, due to the nature of his
10 injuries, to test for that in his case or not possible, not
11 possible at all or not easily done?

12 A. Without getting too graphic, it may have been
13 possible to look at some parts of this but not to do a good and
14 comprehensive analysis.

15 Q. I guess while we have you here, Dr. Mont, and part of
16 what we're ... I think our goal here is to think of
17 recommendations and ideas for how other treatments might take
18 place. In your role in the Medical Examiner's Office, you must
19 see every homicide or suicide of, particularly, young men, I'm
20 thinking of and, you know, we see reports from the United
21 States, from football and other sports leagues, and how head
22 injuries are becoming a much bigger issue that people are

DR. ERIK MONT, Cross-Examination by Mr. Rodgers

1 confronting. And I guess I just want to ask you about that and
2 what is ... what can you tell us about the level of analysis
3 that's possible or that is done, either here in Nova Scotia or,
4 if you want to expand, within Canada, what is being done?

5 **A.** What is being done with regard to pursuing CTE and
6 the diagnosis in Nova Scotia is very little, for a number of
7 reasons, and there are a number of factors that play into that,
8 you know, starting with the basic premise that that would not
9 play directly into our determination and opinions regarding
10 cause and manner of death. So, in other words, if someone were
11 to have taken their life, again the reasons that may have led to
12 that don't play into the cause and manner of death
13 certification.

14 Now we don't consider that our only mandate though. We do
15 try to make a contribution where we can. The examination for
16 CTE is time-consuming and difficult and somewhat expensive and
17 it's not something that I personally would undertake. I would
18 refer that to a neuropathologist.

19 **Q.** Okay.

20 **A.** And there's a cost associated with that as well. At
21 this point we don't have an institute in Nova Scotia that has
22 that research interest and we don't have funding for that. It

DR. ERIK MONT, Cross-Examination by Mr. Rodgers

1 certainly would be feasible, I think, for us to direct some
2 cases towards that. It's not something ... That would need to
3 be undertaken with the consent of the individual's families
4 though.

5 Q. Sure, yeah.

6 A. So I know that doesn't directly answer your question.
7 The answer is that right now I have not had a case that has been
8 worked up for CTE in my career.

9 Q. Yes.

10 A. It could be done.

11 Q. And the things you hear out of the United States and
12 it's, you know, the NFL and other sports leagues are looking at
13 these and, you know, people retire and then a few years later,
14 you know, they kill themselves, and they complain about
15 headaches and the concussions that they've suffered and it seems
16 to be something that's being studied more and more. Do you see
17 any trend along those lines in Canada at all, you know, in
18 sports or, you know, in the military context we're thinking
19 here?

20 A. I see the discussions.

21 Q. Yeah.

22 A. And certainly we've had the discussions among

DR. ERIK MONT, Cross-Examination by Mr. Rodgers

1 ourselves within our office about how to address this, how to
2 explore this, in our cases, what is the most effective way to
3 systematically ask these questions in these cases so that we can
4 get at real answers.

5 **(12:42:01)**

6 **Q.** I mean perhaps, particularly in suicides, if we're
7 looking at trying to prevent suicides, knowing whether 90
8 percent or 50 percent or 10 percent of those who've committed
9 suicide also had CTE would seem like something worth studying at
10 least. What do you think of that?

11 **A.** I agree. It's not something that we have adopted, at
12 least yet, but it's certainly something that we have discussed
13 and have not yet come to a conclusion and changed our protocols
14 yet.

15 **Q.** Yeah. Do you have occasions to connect formally or
16 informally with other medical examiner offices throughout the
17 country?

18 **A.** Yes.

19 **Q.** Conferences or other means?

20 **A.** Yeah.

21 **Q.** Do you know whether this is something others are
22 looking at doing?

DR. ERIK MONT, Cross-Examination by Mr. Rodgers

1 **A.** I don't think anyone in Canada, to my knowledge, is
2 doing it systematically. They may have had a case here or there
3 that they have investigated but I don't know of anyone in the
4 country who is doing it systematically, nor ... Much of my
5 experience and my colleagues' are in the U.S., as well, and I
6 don't know of any jurisdictions that are doing this
7 systematically. The centers of research have referrals from
8 many different places. I don't know of any one particular place
9 that is, for instance, looking at all suicides systematically
10 and either has a specific protocol for questioning or
11 investigating these cases or for doing neuropathology on these
12 cases.

13 **Q.** It would seem where the Medical Examiner's Office is
14 notified and needs to be notified of all such deaths that it
15 would be ... perhaps make some sense that you would have some
16 role in this, perhaps, I don't know if gatekeeper is the right
17 way but, you know, you could, the Medical Examiner's Office
18 could perhaps triage those instances that are identified and at
19 least suggest it to somebody for further study.

20 Would you ... do you see benefits in this and, again, it's
21 just a broad discussion on the topic in a way, but would you see
22 the benefits to being able to study those as maybe not causes

DR. ERIK MONT, Cross-Examination by Mr. Rodgers

1 but at least features of individuals in these circumstances?

2 **A.** I do think it's something ... it's a contribution
3 that can come out of cases sometimes that might be of some help
4 to the living. There are a lot of aspects of this that are far
5 outside of my area of expertise.

6 **Q.** Sure.

7 **A.** You know, a lot of these have to do with policy
8 decisions that are, you know, far reaching that I am not
9 involved with. You know, and again within the very narrow
10 mandate of determining manner and cause of death, it's not
11 something that we need to do, but all of us are committed to
12 doing more than just determining the cause and manner of death.
13 So I would welcome us playing a role in that.

14 **Q.** Thank you, Dr. Mont. I appreciate your ... I
15 recognize that that's not exactly what you're here to talk about
16 but I appreciate, you know, your views coming from your
17 perspective in your role, so I thank you. Those are the
18 questions I have.

19 **THE COURT:** Mr. Russell, anything further?

20 **MR. RUSSELL:** Nothing further, Your Honour.

21 **THE COURT:** Oh, sorry ...

22 **MR. HAYNE:** If I may?

DR. ERIK MONT, Cross-Examination by Mr. Rodgers

1 **THE COURT:** Mr. Hayne, yes, go ahead.

2

3 **CROSS-EXAMINATION BY MR. HAYNE**

4 **(12:47:03)**

5 **MR. HAYNE:** Good afternoon, Dr. Mont. My name is
6 Stewart Hayne and I am counsel for certain physicians who are
7 participating in the Inquiry.

8 I just have some questions for you, just a few more
9 questions to help understand the toxicology report at Exhibit
10 P60. And as I understand it, this toxicology report results from
11 a requisition that you made for an expanded panel and you
12 discussed what that meant earlier.

13 **A.** Yes.

14 **Q.** And this is the report that you received back from
15 that expanded panel requisition. And is it fair to say that, in
16 general, this report shows the substances that were detected, if
17 they could be detected, for example, if they were at detectable
18 levels in either Mr. Desmond's blood or urine that were sent for
19 analysis?

20 **A.** Yes, that's fair.

21 **Q.** Okay.

22 **A.** So it's possible that there are other drugs or toxins

DR. ERIK MONT, Cross-Examination by Mr. Hayne

1 there at a lower concentration than the ability of the
2 instruments to detect or it's possible, as well, that there are
3 other substances that are not encompassed in this panel.

4 **Q.** Right. Thank you. But on that, on the first page,
5 sorry, at page 3 of Exhibit 60, at the bottom of the page it does
6 give information as to the ability of this test to detect certain
7 substances.

8 **A.** Yes.

9 **Q.** And on that page is referenced cannabinoids.

10 **A.** Yes.

11 **Q.** And is it your understanding that cannabinoids is
12 either synonymous with marijuana or cannabis or are the
13 metabolites of marijuana or cannabis?

14 **A.** Yes.

15 **Q.** All right. So if someone ... for example, if there
16 was evidence of marijuana or cannabis or cannabinoids in Mr.
17 Desmond's blood or urine at levels exceeding the threshold level,
18 the minimal threshold level, then those would be reported on this
19 test, is that right?

20 **A.** That's correct.

21 **Q.** Okay. And the same goes for and then continues and
22 doesn't list necessarily specific substances but classes of

DR. ERIK MONT, Cross-Examination by Mr. Hayne

1 substances, for example, it lists antidepressants, antipsychotic
2 agents, and other things.

3 So do you understand, Doctor, whether, and I'm going to ask
4 you and this, you may not know the answer to this, but do you
5 know whether the, the drug quetiapine is something that would be
6 returned on this report if it were in detectable levels?

7 A. Yes, it would.

8 Q. Okay.

9 A. Yeah, I see that not infrequently in other toxicology
10 reports.

11 Q. And do you know, same question, whether the drug
12 prazosin would be returned on this report if it was in the system
13 within detectable levels?

14 A. I don't know offhand.

15 Q. Okay.

16 A. Typically, when I'm not sure if a drug is captured in
17 this panel, I will call NMS Labs and they can answer that.

18 Q. Okay. And the same question, do you know whether, if
19 the drug zolpidem was present at the detectable levels, it would
20 be returned on this report?

21 A. I don't know that specific drug, whether it would be
22 captured in this panel.

DR. ERIK MONT, Cross-Examination by Mr. Hayne

1 **Q.** Okay. So just to summarize then, cannabinoids and
2 quetiapine are, at least, are two drug substances that if present
3 in detectable levels in Mr. Desmond's system in, I believe, blood
4 or urine that was sent for analysis, they would have been
5 returned on this report?

6 **A.** Yes.

7 **Q.** Okay. And the fact that they're not returned on this
8 report, we can conclude that either they weren't present at all
9 or they were present at levels below the threshold for detection?

10 **A.** Yes.

11 **Q.** Okay. And just in general, in terms of when someone
12 ingests drugs or alcohol, whatever they may be, the body, as I
13 understand it, will metabolize, ingest that substance and will
14 break it down into its metabolites, other substances, as a result
15 of the metabolism process, is that right?

16 **A.** Different drugs are broken down or excreted in
17 different ways.

18 **(12:51:57)**

19 **Q.** Right.

20 **A.** So some of it may be excreted whole, some of it may be
21 broken down into metabolic products.

22 **Q.** I understand. But, ultimately, the drug is either

DR. ERIK MONT, Cross-Examination by Mr. Hayne

1 ingested and then excreted whole or ingested, metabolized into
2 other substances and those are excreted, as well?

3 **A.** Yeah. And when you say ingested, I mean, consumed in
4 one way or the other.

5 **Q.** Consumed, yeah. And the rate of that, once a certain
6 drug or substance is consumed, the rate at which it is dissipated
7 from the body may depend on any number of factors, including the
8 nature of that particular drug itself?

9 **A.** Yes.

10 **Q.** We have discussed earlier how the substance mCPP was
11 detected and that's, and I'm characterizing your evidence,
12 forgive me and correct me if I get it incorrect, but mCPP and, in
13 your view, that was likely the result of metabolized trazodone?

14 **A.** I can't say that with any certainty based on empiric
15 evidence, but just based on his history and the fact that he was
16 treated with antidepressants, I think that's probably most likely
17 that ... I don't know of any other source that is more likely or
18 as likely as that.

19 **Q.** Thank you. And the quantity of mCPP that was detected
20 could have been there at that time, and I'm asking this in a
21 convoluted way but, essentially, the quantity that's detected is
22 a function of how much was consumed and when it was consumed. Do

DR. ERIK MONT, Cross-Examination by Mr. Hayne

1 you agree with that?

2 **A.** In general terms, yes.

3 **Q.** Right. So you could have the same quantity detected
4 from a small amount recently consumed or a larger amount consumed
5 earlier in time?

6 **A.** In general, with most drugs. I mean, different drugs
7 have different characteristic behaviours, sometimes even in
8 postmortem specimens but, yes, in general, that's true.

9 **Q.** Okay. So we're not able to necessarily work backwards
10 from the fact that mCPP was present at the quantity detected as
11 to what amount of trazodone, if it was trazodone, what amount of
12 trazodone was consumed and at what time it was consumed?

13 **A.** That's exactly right.

14 **Q.** Okay. The lack of detection of cannabinoids, and I
15 understand that maybe cannabis is one that does ... may behave
16 differently but, again, from the research that I've done,
17 cannabinoids may be present in detectable levels is certainly
18 dependent on, again, similar factors, the amount of cannabis
19 consumed and when it was consumed, but also may be detectable for,
20 depending on the nature of the consumption, possibly up to 20 or
21 30 days, is that ... Do you have awareness of that?

22 **A.** You're referring to this specific test or possibly

DR. ERIK MONT, Cross-Examination by Mr. Hayne

1 detected?

2 Q. In general, possible?

3 A. Well, I mean, it's possible to detect it. Different
4 specimens can be analyzed and there are different compounds that
5 are broken down from cannabis. There are different cannabinoids
6 that we see, and they're ones that we don't typically, that
7 aren't active, as well, and some of those may be detectable later
8 on. It also depends on the method of detection. You know,
9 there are many drugs, many, many drugs, that can be detected long
10 after the fact. If we, for instance, were to test hair ...

11 Q. Um-hmm.

12 A. Now that doesn't mean that it played any role in the
13 recent past at all. I mean, it depends on the hair growth and,
14 you know ...

15 Q. Right.

16 A. So, in general, yes, it, the cannabinoids have a long
17 half-life, though, and they can be detected longer than many
18 other substances. Does that answer your question?

19 Q. It does. And I'll just jump to the punchline. From
20 this test is it fair to conclude that Mr. Desmond was not under
21 the influence of cannabis or cannabinoids at the time of his
22 death?

DR. ERIK MONT, Cross-Examination by Mr. Hayne

1 **A.** Yes.

2 **Q.** And from this test, is it fair to conclude that it's
3 more likely than not that he hadn't ingested cannabis in the
4 previous seven days, to pick a number? Or can you conclude
5 that?

6 **A.** I'd need to look at these particular substances that
7 they test and the half-lives of those. I don't know if seven
8 days would be the ... Days, yes; I'm not sure that seven is the
9 number off the top of my head.

10 **Q.** Three days?

11 **A.** Probably.

12 **Q.** And I may have asked this already but it's my last
13 question. With respect to quetiapine, given this test, it's
14 reasonable to conclude that Mr. Desmond was not under the
15 influence of quetiapine at the time of his death, is that a fair
16 conclusion?

17 **A.** It's reasonable to conclude that there was no
18 circulating quetiapine, yes. I mean whether any exposure had
19 long-term effects on physiology, that can't be accounted for.
20 This is a snapshot though. So at the time of his death there was
21 no detectable luetiapine in his system.

22 **Q.** And from that, can we conclude, though, that there was

DR. ERIK MONT, Cross-Examination by Mr. Hayne

1 no, like you say, no, no physiological impact from circulating
2 quetiapine at the time of death?

3 **A.** Yes.

4 **Q.** Thank you, those are my questions.

5 **THE COURT:** Any questions? No?

6

7 **EXAMINATION BY THE COURT**

8 **(12:59:39)**

9 **THE COURT:** I just want to clarify something, Dr. Mont,
10 if I could.

11 When Mr. Rodgers was asking about testing for CTE and he had
12 a discussion with you about it and in the particular
13 circumstances of Corporal Desmond and the manner of his death,
14 appreciating that CTE is examined by looking at the structure of
15 the brain. Again, not to be graphic but just to make the point
16 in this particular case there was not sufficient brain matter or
17 in a way that would present itself that would be suitable for
18 that kind of testing, is that correct?

19 **A.** That's correct.

20 **Q.** Yeah. Okay. I just wanted to be clear that that
21 would be the reason why in this particular set of circumstances.

22 A question, see if you can help me with this one: There

DR. ERIK MONT, Examination by the Court

1 was talk about trazodone and about the level of the by-product,
2 if you will, the mCPP that was in his system. If you were a
3 doctor and you were prescribing somebody that particular
4 medication for a particular purpose would you, in the normal
5 course of events, get blood tests, for instance, to see
6 whatever, if you had a therapeutic level of that particular
7 substance in a person's system? So this is when you're ...

8 **A.** That falls outside of my expertise.

9 **Q.** Right.

10 **A.** So a prescribing physician would know ...

11 **Q.** I'm just curious as to what a therapeutic level of
12 somebody that comes into the doctor's office might be as opposed
13 to what's reflected in a postmortem blood sample.

14 **A.** I don't know what the treatment standards are with
15 regard to follow-up and whether ... Some drugs are routinely
16 tested for peak and trough levels and some are not, and I just
17 ... I don't know for trazodone.

18 **Q.** All right. We may have somebody else that can help
19 us with that later on.

20 **THE COURT:** All right. Thank you, Dr. Mont, appreciate
21 your time. You're free to go.

22 Counsel, I think Dr. Mont was the last witness that we had

DR. ERIK MONT, Examination by the Court

1 ... Thank you, Doctor, you can step out, if you'd like.

2 **WITNESS WITHDREW (13:01 HRS.)**

3 **THE COURT:** He was the last witness we have for today.

4 So we are going to adjourn for a moment, then we're going to have
5 a discussion but we'll have that as a Chambers discussion, if you
6 will. Thank you.

7 We'll stand adjourned for a few minutes. Thank you.

8 **COURT RECESSED (13:02 HRS.)**

9 **COURT RESUMED (13:19 HRS.)**

10 **THE COURT:** So we'll just go back on the record, if we
11 can. We'll re-open just for a minute then, thank you.

12

13 **COURT ADJOURNED (13:19 HRS.)**

14

15

16

17

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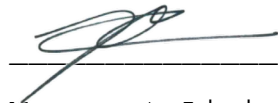
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CERTIFICATE OF COURT TRANSCRIBER

I, Margaret Livingstone, Court Transcriber, hereby certify that I have transcribed the foregoing and that it is a true and accurate transcript of the evidence given in this matter, **re Desmond Fatality Inquiry**, taken by way of electronic digital recording.



Margaret Livingstone

(Registration No. 2006-16)

DARTMOUTH, NOVA SCOTIA**January 31, 2020**