



MEMORANDUM FOR RECORD

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Date: 9/7/2021
NTSB Accident Number: CEN20LA055

Toxicology Review

The following information was provided by an NTSB Medical Officer after a review of toxicological findings.

Left-seated Pilot

The FAA Forensic Sciences Laboratory toxicology testing detected metoprolol, atorvastatin, and tamsulosin in the left-seated pilot's femoral blood and urine. These medications are not considered impairing.^[2] Toxicology testing performed by the medical examiner on the left-seated pilot's femoral blood did not detect any tested-for drugs; testing of the left-seated pilot's vitreous fluid and femoral blood were negative for alcohol.

Right-seated Pilot

The FAA Forensic Sciences Laboratory toxicology testing detected metoprolol, atorvastatin, and the gastric reflux medication famotidine in the right-seated pilot's subclavian blood and urine. These medications are not considered impairing.^[3] Glucose was detected in the right-seated pilot's vitreous fluid at 34 milligrams per deciliter (mg/dL) and urine at 663 mg/dL; his

^[2] FAA. Updated 1/16/19. Forensic Toxicology's WebDrugs.

Metoprolol. <https://jag.cami.jccbi.gov/toxicology/DrugDetail.asp?did=171>

Atorvastatin. <https://jag.cami.jccbi.gov/toxicology/DrugDetail.asp?did=312>

Tamsulosin. <https://jag.cami.jccbi.gov/toxicology/DrugDetail.asp?did=285>

^[3] FAA. Updated 1/16/19. Forensic Toxicology's WebDrugs.

Metoprolol. <https://jag.cami.jccbi.gov/toxicology/DrugDetail.asp?did=171>

Atorvastatin. <https://jag.cami.jccbi.gov/toxicology/DrugDetail.asp?did=312>

Famotidine. <https://jag.cami.jccbi.gov/toxicology/DrugDetail.asp?did=293>

hemoglobin A1C was 7.4%.^[4] Toxicology testing performed by the medical examiner detected the non-impairing high blood pressure medication lisinopril in the right-seated pilot's femoral blood;^[5] testing of the right-seated pilot's vitreous fluid and femoral blood were negative for alcohol.

End of Record

^[4] Hemoglobin A1C is a measure of the percentage of hemoglobin molecules that have a glucose molecule attached to them. The test measures the average blood glucose over the past three months. Above 6.5% indicates diabetes. [NIH. NLM. A1C. <https://medlineplus.gov/a1c.html>. Page last updated 5/5/21.]

^[5] FAA. Updated 1/16/19. Forensic Toxicology's WebDrugs. Lisinopril. <https://jag.cami.jccbi.gov/toxicology/DrugDetail.asp?did=290>