

I was also never
able to be put in
contact personally
with Dr. Bora to
speak to re my
brothers passing.

Health Sciences North / Horizon Santé Nord
Northeastern Regional Forensic Pathology Unit
41 Ramsey Lake Road, Sudbury ON, P3E 5J1
☎ (705) 675-4779 ☎ (705) 675-4780

Final Autopsy Report

Name:	CEYLAN, RAFFI	Unit #:	SH00744325
DOB (age/sex):	05/02/1973 (43/M)	Account #:	SF000867/17
Health Card #	2461166270-FJ	Location:	SRHSLABMOR
Submitted by:	Bora, Bishwajit MD, FRCSC	Specimen #:	16:SA198
		Collection Date:	16/07/16
		Received Date:	18/07/16

Made upon the body of **CEYLAN, Raffi** at the Northeastern Regional Forensic Pathology Unit, Health Sciences North, in the province of Ontario, on the 18th day of July, 2016 about 45 hours after death pronounced.

Place where death pronounced:	Top Lake Camp, Caverley Township
Examination commenced at:	13:30 hours
Required by Coroner:	B. Bora
Present at Autopsy:	J. Kent (Morgue Assistant) B. Livingston and B. Fremlin (OPP)

IDENTIFICATION

The body was identified to me by ID tag on left first toe.
Intact body bag name tag and seal A61190 OPP.

EXTERNAL EXAMINATION

State of the Body:

Temperature:	Cold
Rigor Mortis:	Present
Postmortem Lividity:	Posterior surface of body, fixed
Decomposition:	Nil
Clothing and effects:	T-shirt, briefs

External Features:

Sex:	Male
Age:	Consistent with documented age- 43 years
Length:	177 cm
Build & Nutrition:	Muscular build. Well nourished.
Hair:	Black/graying, beard and mustache
Eye Colour:	Brown
Pupils:	Dilated

ml

Name: CEYLAN,RAFFI

Spec # 16:SA198

Conjunctiva:	Free of petechial hemorrhages, congested
Nose:	Intact
Teeth:	Natural upper and lower dentition
Breasts:	No abnormality
Skin Features:	Nil significant

EVIDENCE OF THERAPY: Nil

EVIDENCE OF INJURY: Minor abrasion of left upper eyelid

INTERNAL EXAMINATION

Face & Neck:

Oral Cavity:	Clear of foreign material
Tongue:	No hemorrhages or other evidence of injury
Pharynx:	Clear of foreign material
Larynx:	Intact with no mucosal lesions, contained vomitus
Hyoid Bone:	Intact
Thyroid:	Unremarkable
Soft Tissues of Neck:	Free of evidence of injury

Thorax/Respiratory System:

Rib Cage:	Free of fractures
Diaphragm:	Intact
Pleural cavities:	No significant effusions or adhesions
Mediastinum:	No tumours or lymphadenopathy
Esophagus:	Unremarkable
Thymus:	Atrophic
Trachea:	Contained vomitus
Bronchi:	Clear of foreign material
Pulmonary pleura:	Unremarkable
Pulmonary vessels:	No thromboemboli
Right lung:	640 g; very congested cut surface, no localized areas of consolidation
Left lung:	610 g; as above

Circulatory System:

Pericardium :	No significant effusions or adhesions
Heart weight:	320 g.
External Configuration:	Usual anatomic arrangement of chambers and great vessels
Right atrium:	No mural thrombus
Atrial septum:	Closed
Tricuspid valve:	No vegetations or other significant abnormalities
Right ventricle:	Wall thickness 3 mm and cavity size within normal limits
Pulmonary valve:	No vegetations or other significant abnormalities
Left atrium:	No mural thrombus



Name: CEYLAN,RAFFI

Spec # 16:SA198

Mitral valve:	No vegetations or other significant abnormalities
Left ventricle:	Wall thickness 11 mm and cavity size within normal limits
Myocardium:	See Microscopy
Aortic valve:	No vegetations or other significant abnormalities
Coronary arteries:	All widely patent
Aorta & major arteries:	No significant atherosclerosis
Vena cava & major veins:	Free of thrombus
Blood volume & state:	Of normal volume and predominantly liquid

Abdominal Cavity/Gastro-Intestinal System:

Peritoneal cavity:	No significant effusion or adhesions
Stomach & contents:	No ulcers or other mucosal lesions; lumen contains 100 mL of recently ingested food
Intestines:	No evidence of hemorrhage, obstruction or perforation
Appendix:	Present
Liver:	2070 g; congested cut surface with no localized lesions
Gallbladder:	No calculi
Bile ducts:	Normal caliber
Spleen:	260 g; unremarkable cut surface
Pancreas:	Unremarkable
Adrenals:	Unremarkable
Retro-peritoneum:	Free of hemorrhage

Genito-Urinary System & Pelvis:

Right kidney:	140 g; smooth tan/brown cortical surfaces with no localized lesions
Left kidney:	160 g; smooth tan/brown cortical surfaces with no localized lesions
Renal pelvis & ureters:	No evidence of obstruction or infection
Urinary bladder:	200 mL of urine
Prostate:	Not enlarged
Testes:	Descended
Urethra:	Prostatic segment unremarkable
Pelvis:	Intact

Lymphatic System:

Lymph Nodes:	Unremarkable
--------------	--------------

Nervous System, Head and Spine:

Scalp:	No hemorrhage or other evidence of injury
Skull:	Intact
Pituitary gland:	Not enlarged
Middle ears and sinuses:	Not opened
Dura mater:	Unremarkable
Subdural space:	Free of fresh subdural hemorrhage
Subarachnoid space:	Free of hemorrhage or exudate
Leptomeninges:	Thin and delicate
Cerebral arteries:	Free of atherosclerosis or aneurysms
Cerebral veins/sinuses:	Unremarkable

Name: CEYLAN, RAFFI

Spec # 16:SA198

Brain Weight:	1480 g.
Brain - external:	Cerebral hemispheres are symmetrical with no atrophy or compression and no localized lesions. Brainstem and cerebellum are unremarkable.
Brain - sections:	Brain is cut fresh. Ventricles are symmetrical and of normal size. No localized lesions. Brainstem and cerebellum are unremarkable.
Vertebral column:	Intact
Spinal Cord:	Not examined

Musculo-skeletal System/Extremities:

No evidence of acute or chronic bone or joint deformity.

ANCILLARY STUDIES

Tissue Retention:

Small samples of major tissues are stored in formalin and were used to prepare histological sections. No additional organs or tissues were retained.

Microscopy:

5-10 Heart- focal mild left ventricular myocardial interstitial and perivascular fibrosis, focal right ventricular contraction band change

Lungs- prominent acute congestion and edema

Liver- acute passive congestion, minimal steatosis

Kidney- acute passive congestion, tubular autolysis

Toxicology:

See Centre of Forensic Sciences Report- 2016-001036

Photography:

The Forensic Identification Services of the OPP prepared photographs during the postmortem examination.

Vitreous Chemistry:

See attached report

Cardiology Genetics:

See attached report

SUMMARY OF FINDINGS

Name: CEYLAN,RAFFI

Spec # 16:SA198

Information on the Coroner's warrant indicates that the deceased was camping with his son and friends when he awoke in his RV in distress and subsequently vomited. A friend attempted to drive him to get help but the vehicle got stuck. EMS was dispatched to the scene and attempted resuscitation in the RV and then in the ambulance. His wife reported that he had no significant medical history, no recent illness and was on no medication.

Images of the scene were reviewed prior to the autopsy via a DVD supplied by the police.

At postmortem examination there were no significant injuries or anatomical cause of death identified. There was prominent pulmonary edema. Toxicological and vitreous chemistry analyses were non-contributory.

Cardiology genetic testing identified a variant of uncertain significance in the ANK2 gene. See the Interpretation, Summary and Recommendations in the attached Cardiology Genetics Report (particularly with respect to the clinical evaluation, follow-up, possible targeted testing and genetic counseling for the family).

CAUSE OF DEATH

NO ANATOMICAL or TOXICOLOGICAL CAUSE of DEATH
Consistent with CARDIAC ARRHYTHMIA



Electronically Signed by: MARTIN QUEEN MD FRCP(C) 07/11/16

RUN DATE: 23/08/16
RUN TIME: 1325

Electronic Records
Laboratory Specimen Inquiry

PAGE 1

PATIENT: CEYLAN, RAFFI

ACCT: SF000867/17

LOC: SRHSLABMOR

U: SH00744325

AGE/SX: 43/M

ROOM:

REG: 17/07/16

REG DR: Bora, Bishwajit MD, FRCS

DOB: 05/02/1973

BED:

DIS:

STATUS: REG REF

TLOC:

SPEC : 1807:BF00008R

COLL: 18/07/16-1541

STATUS: COMP

REQ : 06154923

RECD: 18/07/16-1541

SUBM DR: Bora, Bishwajit MD, FRCS

ENTERED: 18/07/16-1542

OTHR DR:

ORDERED: BF Vitreous

QUERIES: Autopsy number: 16SA198

Test	Result	Flag	Reference
BF Source	Vitreous		
BF Na	140		mmol/L
BF Cl	119		mmol/L
BF Glucose	< 1.1		mmol/L
BF Urea	5.4		mmol/L
BF Creatinine	88.0		umol/L

** END OF REPORT **