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Annual Report Marking the Anniversary of the
Establishment of the OFPS on July 27, 2009

ONTARIO FORENSIC PATHOLOGY SERVICE

Celebrating Our First Year

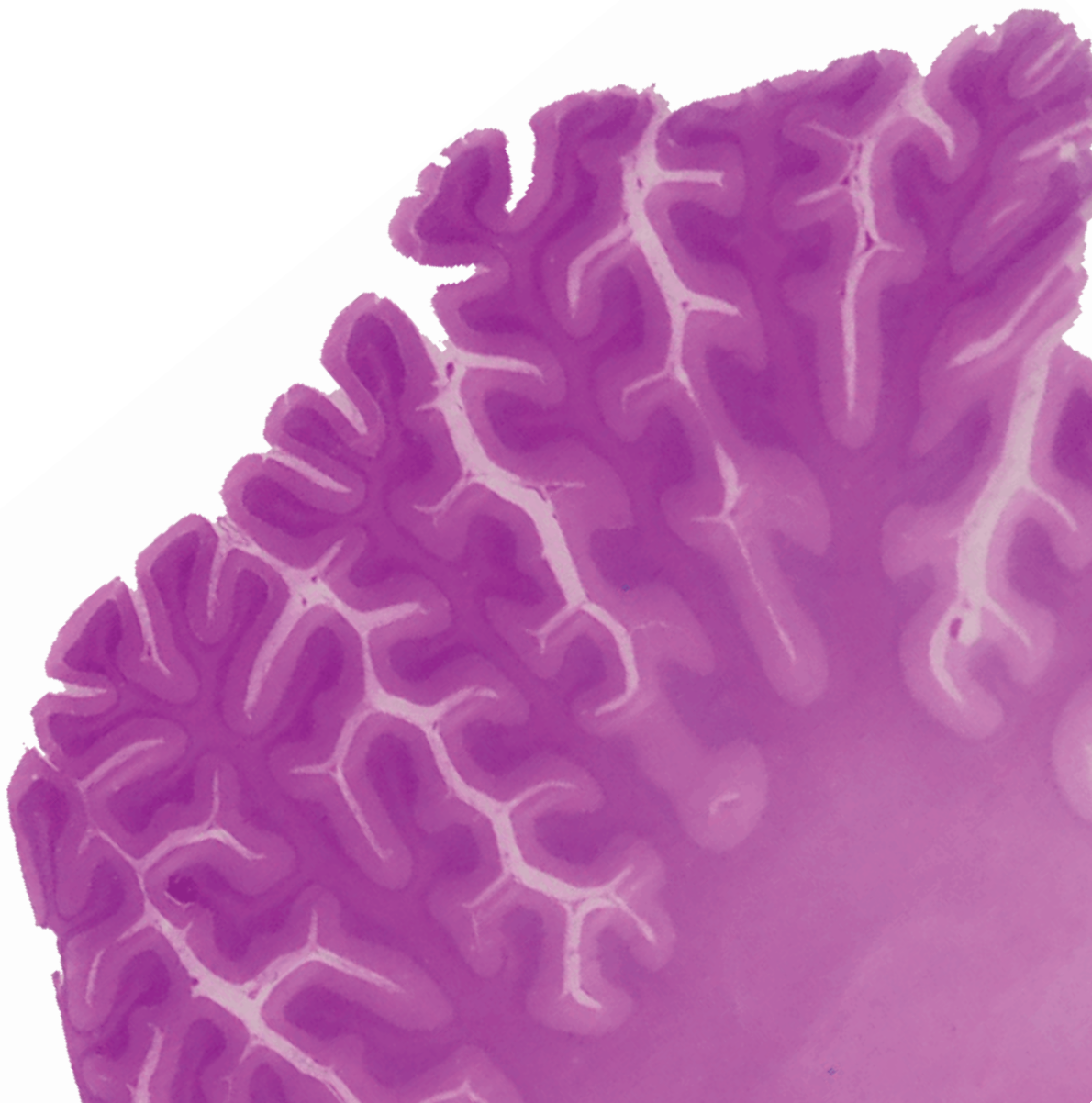






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CHIEF FORENSIC PATHOLOGIST'S REPORT



Name

Dr. Michael S. Pollanen

Title

Chief Forensic Pathologist

Location

Ontario Forensic Pathology Service/
Provincial Forensic Pathology Unit

Pre-Med Education

BSc, University of Guelph;
PhD, University of Toronto

Medical

MD, University of Toronto

Pathology

FRCPC, Anatomical Pathology,
University of Toronto

Forensic Pathology

DMJ, Worshipful Society of
Apothecaries

office, Special Investigations Unit, Children's Aid Societies).

It has been a year of hard work by all members of the OFPS team. Despite the many challenges ahead, it is valuable to pause for a moment and take stock of our progress so far. Since the completion of the Goudge Inquiry, forensic pathology has 'come into its own' in Ontario. Building on our foundations – first as the Forensic Pathology Branch, and then as part of the Office of the Chief Coroner (OCC) – the OFPS has now hit its stride. We have recruited new pathologists and other key staff, created an information management system, improved the quality of various services, reinvigorated our commitment to training and increased financial support for the regional forensic pathology units. These achievements could not be realized without the hard work of our staff and the sense of duty and commitment that reverberates throughout our organization. My deepest thanks to all of our staff – it continues to be a privilege to work with such an accomplished group of people

Our first year as the OFPS has also provided operational challenges. Although our caseload has been stable, efforts to implement the Goudge Report recommendations have placed increased demands on pathologists, technicians and administrative staff. In addition, we have put greater emphasis on specific areas of service provision such as pediatric forensic pathology and sudden unexpected death in police custody. We are also increasingly embracing molecular biology as a new form of ancillary testing that can assist in obscure cases. This year the OFPS renewed and solidified linkages with the University of

Toronto in recognition that innovative and reliable service provision in forensic pathology cannot be separated from education and research. The OFPS is the operational home of the University of Toronto's residency program in forensic pathology. In addition, the university's Centre for Forensic Science and Medicine provides an important platform for professional and scholarly development. The symbiosis that has developed over the past twelve months will pay huge dividends in the years to come.

The professional expertise that resides in the OFPS continues to be recognized for its excellence and commitment to humanitarian ideals around the world. OFPS Forensic pathologists have been called upon this year to sustain international efforts in Haiti and Jamaica. In Haiti, our pathologists assisted with identification of victims in the aftermath of the earthquake that claimed over 200,000 lives. In Jamaica, our efforts supported the international oversight of autopsies on 73 people who died after government security forces attempted to arrest a notorious drug lord.

What a year for the OFPS. What a privilege it is to contribute to forensic pathology in Ontario, Canada and abroad.

Michael S. Pollanen
Chief Forensic Pathologist for Ontario
Director, Centre for Forensic Science and
Medicine
Associate Professor, University of
Toronto

It is has been a year of rewarding and welcome growth and development for the OFPS. This year was the first in our new role: the legislatively-defined entity providing medicolegal autopsy services to coroners and other agencies that rely on our opinions to meet their own public commitments (e.g. Crown Attorney's

ABOUT US



The OFPS provides forensic pathology services under the *Coroners Act*. The OFPS works closely with the Office of the Chief Coroner to ensure a coordinated and collaborative approach to death investigation in the public interest. Together, the Chief Forensic Pathologist and Chief Coroner provide dual leadership for the death investigation system in Ontario.

Pathologists are the main human resource of the OFPS. Pathologists are specialized medical doctors who have undertaken five years of additional training after medical school in pathology, the study of disease. Forensic pathologists have additional post-graduate training in forensic pathology, the application of medicine and science to legal issues usually in the context of sudden death.

The OFPS performs medicolegal autopsies for death investigations under the legal authority of coroners. Approximately 6,000 medicolegal autopsies are performed each year by pathologists working under the auspices of the OFPS. These autopsies are conducted in Forensic Pathology Units and community hospitals.

Our Vision

A seamless forensic pathology system that fully integrates public service, education and research.

Our Mission

To provide the highest quality forensic pathology service aimed at contributing to the administration of justice, preventing premature death and protecting public safety.

Our Values

The OFPS and the OCC share four core values that speak to our commitment to public service:

Integrity: We remember that the pursuit of truth, honesty and impartiality are the cornerstones of our work.

Responsiveness: We embrace opportunities, change and innovation.

Excellence: We constantly strive towards best practice and best quality.

Accountability: We recognize the importance of our work and will accept responsibility for our actions.

The OFPS encourages the practical application of these core values in casework. This is achieved by embracing an independent and evidence-based approach that emphasizes the importance of thinking objectively in pursuit of truth.



Name

Dr. David Chiasson

Title

Senior Staff Pathologist, Section Head
– Autopsy Service

Location

Hospital for Sick Children

Pre-Med Education

BSc, Dalhousie University

Medical

MD, Dalhousie University

Pathology

FRCPC and American Board of
Pathology – Anatomic Pathology

Forensic Pathology

American Board of Pathology

OUR BEGINNINGS



The practice of forensic pathology has a long tradition in Ontario dating back to the 1930's. For much of its history, forensic pathology was administered by the OCC. On July 27, 2009, the OFPS was created by statute in direct response to the Inquiry into Pediatric Forensic Pathology (Goudge Inquiry). Today, forensic pathology in Ontario is overseen and supervised by the Chief Forensic Pathologist.

Milestones in the Evolution of Forensic Pathology in Ontario

- 1936**
Dr. Edgar Frankish appointed Ontario's First Provincial Pathologist at the Attorney General's Laboratory
- 1942**
Dr. William Deadman arranged the system of Regional Pathologists
- 1951**
Dr. Sharpe, pathologist, appointed Medical Director of the Medico-legal Laboratory
- 1961**
Office of the Chief Coroner established
- 1966**
Medico-legal Laboratory renamed the Centre for Forensic Sciences. Dr. Frederick Jaffe appointed Medical Director
- 1972**
Forensic Pathology Branch formed
- 1973**
Dr. John Hillsdon-Smith appointed Provincial Forensic Pathologist
- 1991**
Ontario Paediatric Forensic Pathology Unit (OPFPU) established at the Hospital for Sick Children
- 1992**
Hamilton and Ottawa Regional Forensic Pathology Units established
- 1994**
Dr. David Chiasson appointed Chief Forensic Pathologist
- 2000**
London and Kingston Regional Forensic Pathology Units established
- 2006**
Dr. Michael Pollanen appointed Chief Forensic Pathologist
- 2007**
Inquiry into Pediatric Forensic Pathology (Goudge Inquiry) announced
The honourable Stephen T. Goudge appointed Commissioner
- 2008**
Goudge Report released
- 2009**
Amendments to the Coroners Act (Bill 115) proclaimed and the Ontario Forensic Pathology Service established



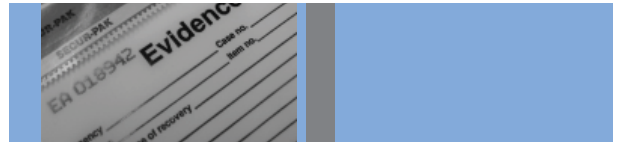
IN MEMORIAM

Dr. Frederick Jaffe

August 22, 1920
to October 28, 2009

Distinguished Forensic Pathologist and former Medical Director of the Centre of Forensic Sciences (1966-1968)

OUR LEGISLATION OUR GOVERNANCE



Legislation

The amended *Coroners Act* defines the roles and responsibilities of pathologists and coroners in death investigation and enhances the quality, organization and accountability of forensic pathology services. The *Coroners Act*:

- Defines the OFPS as the unified system under which pathologists provide forensic pathology services, including autopsies
- Establishes the position of the Chief Forensic Pathologist and provides for professional autonomy from the Chief Coroner
- Provides for the oversight of forensic pathology services by the Chief Forensic Pathologist
- Outlines the roles and responsibilities of the Chief Forensic Pathologist, Deputy Chief Forensic Pathologist and pathologists
- Requires establishment and maintenance of a registry of pathologists approved to perform medicolegal autopsies
- Requires the Chief Forensic Pathologist to communicate with the College of Physicians and Surgeons of Ontario (CPSO) on adverse findings related to competency and professionalism of a registered pathologist

Registered pathologists now have legal authority to attend scenes and to order ancillary tests as required pursuant to their duties under the Act.

Governance

The OFPS and the OCC are part of the Ministry of Community Safety and Correctional Services and are accountable to the Minister and Deputy Minister of Community Safety. Oversight of the OFPS and the OCC will be provided by the Death Investigation Oversight Council.

**Name**

Dr. Kristopher S. Cunningham

Title

Forensic Pathologist

Location

Provincial Forensic Pathology Unit

Pre-Med Education

BSc, University of Western Ontario;
PhD, Ohio State University

Medical

MD, University of Ottawa

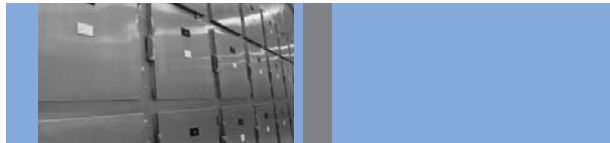
Pathology

FRCPC – Anatomic Pathology,
University of Toronto

Forensic Pathology

Fellowship – Provincial Forensic
Pathology Unit

OUR STRUCTURE



Ontario Forensic Pathology Service

Under the Coroners Act, the Chief Forensic Pathologist administers and operates the OFPS. Specifically, the Chief Forensic Pathologist:

- supervises and directs pathologists in the provision of services
- conducts programs for the instruction of pathologists
- prepares, publishes and distributes a code of ethics
- maintains a register of pathologists authorized to provide services

The head office of the OFPS is in downtown Toronto. The OFPS is co-located with the Provincial Forensic Pathology Unit (PFPU) and the OCC to facilitate communication and collaboration. The OFPS and the OCC are supported by a shared administrative service led by a Director of Operations.

Provincial Forensic Pathology Unit

The Provincial Forensic Pathology Unit (PFPU) performs approximately 1,500 autopsies per year and is the central referral facility for many complex autopsies, including homicides, skeletal remains and the violent death of infants and children. The Medical Director and Manager of Forensic Services report to the Chief Forensic Pathologist.

Regional Forensic Pathology Units

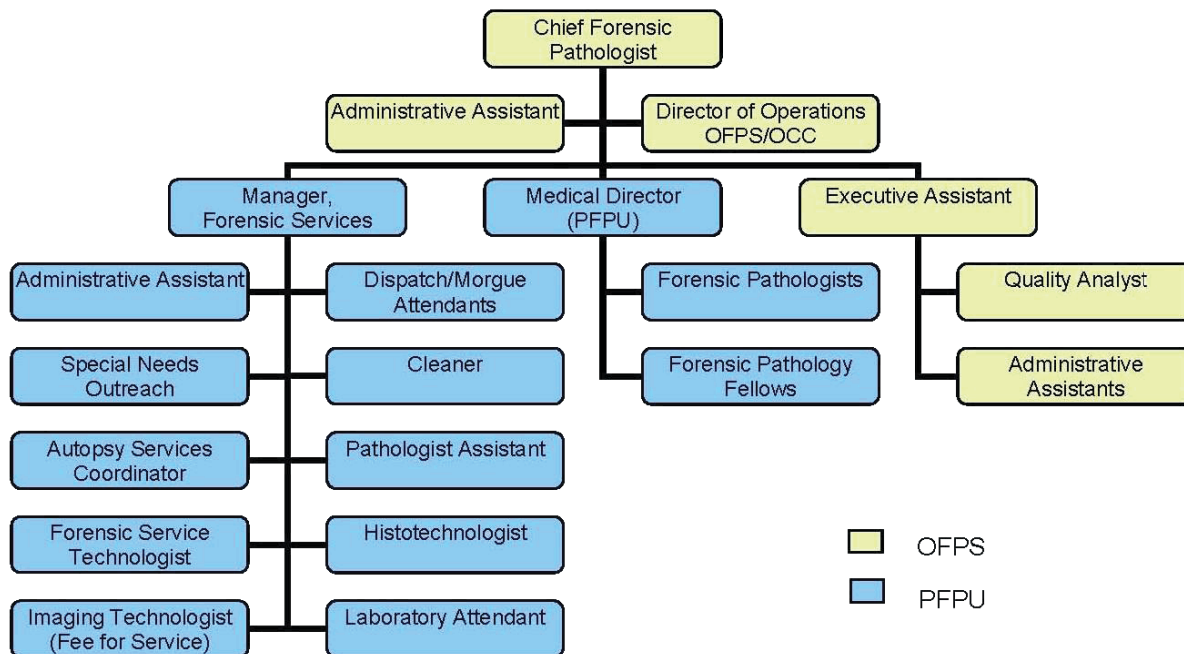
Regional Forensic Pathology Units are located in university teaching hospitals in Hamilton, Kingston, London and Ottawa. These units provide regional expertise in forensic pathology for approximately 2,000 routine and complex autopsies including homicides and pediatric cases. The Ministry through the OFPS is improving support to these units through revised service agreements and augmented funding.

In addition, a forensic pathologist is located in Sudbury. Consideration is being given to establishing a North Eastern Ontario Forensic Pathology Unit.

Some pediatric autopsies are performed at the Toronto-based Hospital for Sick Children and the Children’s Hospital of Eastern Ontario (SickKids) in Ottawa.

Community Hospitals

Pathologists working in community hospitals contribute to the OFPS by conducting routine medicolegal autopsies in their facilities on a fee for service basis.

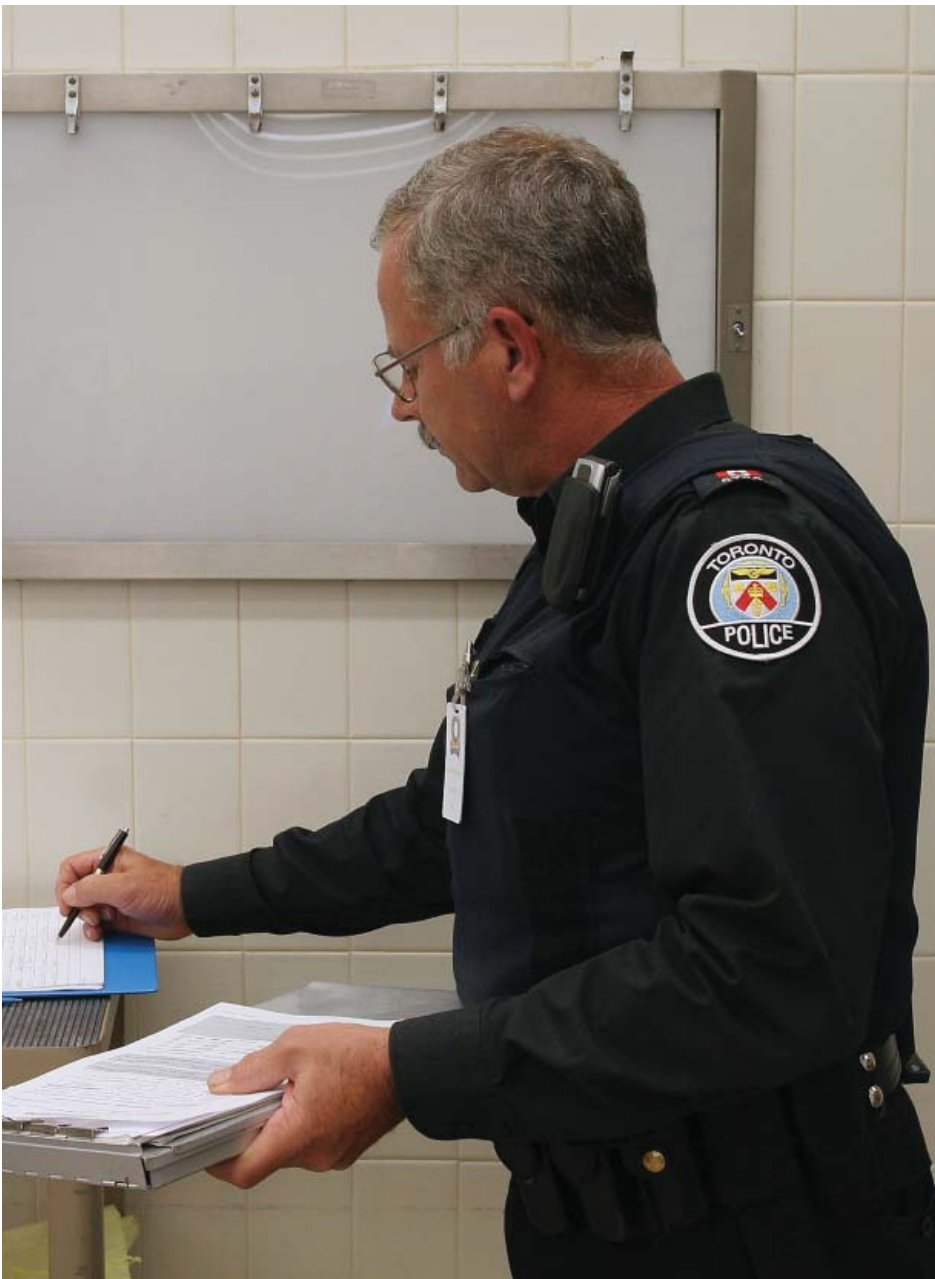


OUR PARTNERS AND WORKING RELATIONSHIPS



Our major partners include: the OCC; municipal and provincial police agencies; the Ontario Fire Marshal; Special Investigations Unit; and, the Centre of Forensic Sciences (CFS).

Coroners remain our most important collaborators and stakeholders. The OFPS also collaborates with universities on research, education and training. Furthermore, the OFPS provides services to organizations outside of Ontario such as the Department of National Defence.



Name

Dr. John Fernandes

Title

Medical Director and Forensic Pathologist

Location

Hamilton Forensic Pathology Unit

Pre-Med Education

BSc, University of Toronto

Medical

MDCM, McGill University

Pathology

FRCPC – General Pathology

Forensic Pathology

Pending Royal College

Other

FRCSC-Obstetrics and Gynaecology

OUR SERVICES



The OFPS provides a range of services in support of the death investigation and justice systems.

Scene visits

Pathologists sometimes attend scenes to gain necessary information as part of a complete autopsy. In some cases, availability of photographs, video recordings and other imaging techniques replaces the need for a scene visit.

Autopsies

Pathologists conduct autopsies to observe, document and interpret findings to support the determination of cause of death. There are five steps to a medicolegal autopsy:

1. Review of case history, scene and circumstances
2. External examination
3. Internal examination
4. Ancillary tests including histology and consultation reports
5. Opinion and report writing

Ancillary laboratory procedures and analyses

Pathologists use a wide range of ancillary analyses such as: histology; radiology; cardiovascular, neuropathology, anthropology and odontology consultations; toxicology; and metabolic screening.

Forensic pathology consultations and expert opinions

Forensic pathologists are asked for consultations and expert opinions on complicated and “cold” cases from Ontario, Canada and other countries. These requests may come from police agencies, crown prosecutors and defence attorneys.

Testimony in trials and other hearings

Forensic pathologists testify as expert witnesses at coroner’s inquests, all levels of court and at public inquiries.

Special services

Special services are provided on request to other agencies including international groups and non-governmental organizations. These services may include Disaster Victim Identification (DVI) in cases of multiple fatalities or human rights death investigations.

**Name**

Dr. Charis Kepron

Title

Forensic Pathologist

Location

Provincial Forensic Pathology Unit

Pre-Med Education

Honours BSc, University of Winnipeg; MSc, U of Manitoba

Medical

MD, University of Toronto

Pathology

FRCPC, Anatomical Pathology, University of Toronto

Forensic Pathology

FRCPC, University of Toronto

OUR ACTIVITIES (July 27, 2009 — July 27, 2010)



Administration and Operation of the OFPS

Start-up plan for the OFPS

In 2009, a five year plan for the OFPS (Our Plan 2010-2015) was released with two main strategic goals.

**Name**

Dr. David King

Title

Forensic Pathologist-Emeritus

Location

Hamilton Forensic Pathology Unit

Medical

MBBS, London University

Pathology

FRCPC - General Pathology

Forensic Pathology

DMJ (Path)

The short-term goal of the OFPS is to modernize forensic pathology services to meet new statutory requirements. The longer term focus is on quality assurance, service sustainability and innovation. The OFPS aspires to maintain a leadership role in forensic pathology.

Ten strategic priorities were established within the start-up plan to help meet our goals:

1. Implement the Pathologist Register
2. Implement a Pathology Information Management System (PIMS)
3. Develop stronger quality management processes for the OFPS
4. Rejuvenate the Forensic Pathology Units (FPU)
5. Redevelop OFPS services in geographic areas that are under-served by pathologists
6. Implement new health and safety procedures across the OFPS
7. Develop contracts or other agreements with major OFPS clients
8. Renew the technical support services of the OFPS
9. Develop the molecular autopsy as a core OFPS service
10. Train future generations of Canadian forensic pathologists

Forensic Pathology Advisory Committee

The Forensic Pathology Advisory Committee (FPAC) provides direction to the OFPS. This committee includes the directors of the regional forensic pathology units, the President of the Ontario Association of Pathologists and the Chief Coroner. FPAC advises the Chief Forensic Pathologist regarding professional medicolegal autopsy practices.

During the reporting period, FPAC convened three times in Toronto to discuss issues including practice guidelines, pathologist credentialing, organ retention, report turnaround times and new service agreements for Regional Forensic Pathology Units.

Forensic Services Advisory Committee

The Forensic Services Advisory Committee (FSAC) was created to strengthen the objectivity of the OFPS and to improve communication with key external stakeholders such as police, crowns and defense attorneys. This committee provides advice to the Chief Forensic Pathologist to advance the quality and independence of medicolegal autopsies.

During the reporting period, FSAC met twice in Toronto.

OUR ACTIVITIES (July 27, 2009 — July 27, 2010)

Authorized
Personnel
Only

Register of Pathologists

Under the *Coroners Act*, only pathologists who are appropriately credentialed and registered by the OFPS may perform medicolegal autopsies. On the basis of their qualifications, registered pathologists are approved to perform: all medicolegal autopsies including homicides and criminally suspicious cases (Category A pathologists); routine cases only (Category B); or non-suspicious pediatric cases (Category C).

As of July 27, 2010, a total of 171 registered pathologists are active, including 24 Category A pathologists permitted to conduct all types of autopsies. These 24 pathologists are recognized as having additional experience, training and/or certification in forensic pathology.

The Credentialing Subcommittee of FPAC reviews applications and provides advice to the Chief Forensic Pathologist regarding acceptance to the register.

The OFPS Register is available publicly through the Ministry's website at: http://www.mcscs.jus.gov.on.ca/english/Pathology/PathologistsRegistry/pathologists_registry.html

The Chief Forensic Pathologist is legislatively obligated to report any registered pathologist to CPSO where there is an issue of professional misconduct or incompetence.

Supervision and Direction of Pathologists

To promote consistent and high quality practices across Ontario and to assist registered pathologists in their work, the OFPS has provided a Practice Manual and Toolkit.

The Practice Manual includes the Code of Ethics, practice guidelines for medicolegal autopsies and explanations of the peer review system and the Register. Together, these documents provide the professional and policy foundation for the OFPS.

The Code of Ethics was adapted from the Forensic Pathology Section of the Canadian Association of Pathologists.

In October 2009, the OFPS distributed the Pathologist Toolkit on CD-Rom. It contains policies, guidelines and best practices, templates for autopsy reports and injury description as well as anatomical diagrams. Guidelines for pathologist assistants and a poster on standard autopsy techniques were also distributed.

In addition, the OFPS and OCC released various memoranda addressing a range of operational and administrative matters.

In October 2009, for the purpose of minimizing organ retention, direction was provided to registered pathologists and investigating coroners regarding

the need to obtain prior authorization from the Chief Forensic Pathologist to retain an organ and to fully inform next-of-kin. In June 2010, these requirements were enshrined in a new regulation under the *Coroners Act*, which addresses the retention, storage and disposition of organs and tissues.



Name

Dr. Noel McAuliffe

Title

Forensic Pathologist

Location

Provincial Forensic Pathology Unit

Medical

MBChB and BAO, National University of Ireland

Pathology

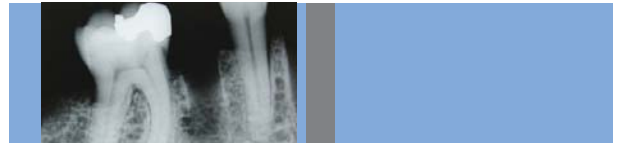
American Board of Pathology – Anatomical Pathology

Forensic Pathology

DMJ, Worshipful Society of Apothecaries

Category	Number of Registered Pathologists
Category A	24
Category B	142
Category C	5

OUR ACTIVITIES (July 27, 2009 — July 27, 2010)



Pathology Information Management System

At present, there is no consolidated information management system for medicolegal autopsies performed in Ontario. In the future, an integrated information management system combining the OFPS and OCC will be developed. In the interim, the OFPS has

developed an approach to managing basic information about medicolegal autopsies in Ontario: the Pathology Information Management System (PIMS). PIMS is a database that can track OFPS autopsies. Registered pathologists submit an electronic record (Postmortem Examination [PME] Record) to the OFPS at the conclusion of every autopsy and these preliminary results are reviewed. This information assists in developing baseline statistics for quality reporting and facilitates performance monitoring and measurement. Submission of the

PME Record is over a secure network (Enterprise Attachment Transfer Service or EATS) to protect the privacy of the information.

By October 25, 2009, the PME Record was in use by all Forensic Pathology Units. Implementation of the PME Record by registered pathologists in 54 community hospitals began in the summer of 2010. The PME Record was rolled out to 92 of 174 registered pathologists by July 27, 2010, with the remaining pathologists included by October 1, 2010.



Name
Dr. Christopher Milroy

Title
Forensic Pathologist

Location
Eastern Ontario Forensic Pathology Unit, Ottawa

Medical
MBChB and MD, University of Liverpool

Pathology
FRCPath and FRCPC, Anatomical Pathology

Forensic Pathology
DMJ, Worshipful Society of Apothecaries

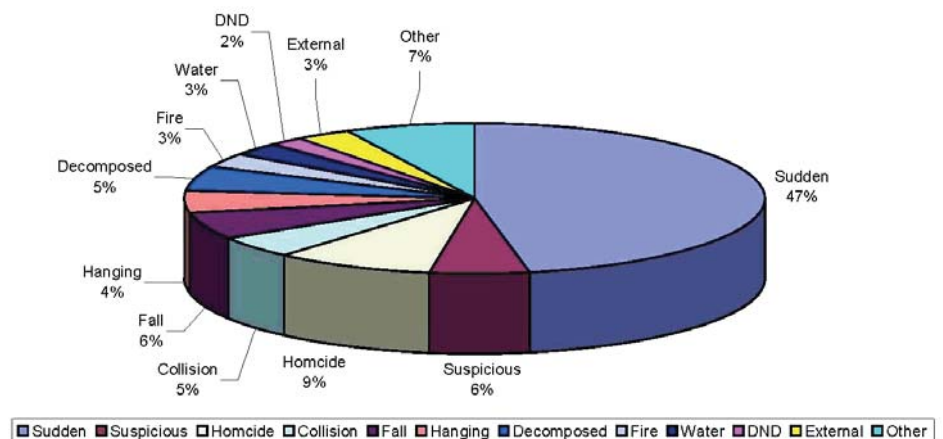
Law Degree
LLB, University of London

PIMS Autopsy Caseload by Forensic Pathology Unit

Based on PME Record submissions by pathologists working in Forensic Units, the following caseload statistics have been collected beginning with the establishment of PIMS on October 25, 2009 to July 27, 2010:

Unit	Caseload	Homicide Cases (%)
Hamilton	403	2
Kingston	114	n/a
London	295	4
Ottawa	429	4
Toronto	895	9
SickKids	21	n/a
Sudbury	149	3

A breakdown of the cases performed at the PFPU by type follows:



OUR ACTIVITIES (July 27, 2009 — July 27, 2010)



Quality Management

The quality and timeliness of autopsy reports, the main products of the OFPS, are of primary importance.

Quality assurance in the OFPS has several components, including the Pathologist Register and Practice Guidelines. The other components are: autopsy report audit and peer review; and root cause analysis of critical incidents.

Peer Review and Autopsy Report Audit

Copies of all final postmortem examination reports are now submitted to the OFPS for quality management at the same time they are released to the coroner.

All homicides, criminally suspicious cases and inquest cases are subjected to peer review prior to release of the report. Category A pathologists are required to participate as reviewers on a rotational basis. Between July 27, 2009 and July 27, 2010, 179 reports were peer reviewed.

A new system of auditing routine cases from across the province is being developed. This Quality Audit of autopsy reports will include assessment relative to the following key performance indicators: submission compliance; completeness, validity and turnaround time of the autopsy report; and the number and type of critical incidents.

Any critical incident that contributes to a possible significant error in death investigation will be analyzed to determine its root cause and corrective action.

Turnaround times

Timeliness of autopsy reports is a key performance indicator for the OFPS. Turnaround times (TATs) are influenced by case complexity, availability of ancillary test results, pathologist workload and staffing pressures.

Data generated by PIMS will assist the OFPS to track TATs and establish policies regarding reasonable TATs recognizing the needs of stakeholders, including the criminal justice system.

In the interim, the OFPS is focusing on critical backlog reduction and stakeholder management.

In the long term, the OFPS is also working to address systemic barriers to timely autopsy report production.

Pediatric Forensic Pathology

The management of pediatric forensic cases has been improved as a result of the recommendations of the Goudge Inquiry.

At present, pediatric forensic cases must be performed in FPU by a qualified forensic pathologist following guidelines for sudden and unexpected deaths of infants and children under the age of five.

Some pediatric forensic cases from north-west Ontario are transferred to Winnipeg for autopsy by pathologists registered in Ontario.

Non-suspicious cases may be performed at the Hospital for SickKids.



Name

Dr. Jacqueline Parai

Title

Medical Director and Forensic Pathologist

Pre-med Education

BSc, University of Western Ontario;
MSc, University of Toronto

Medical

MD, University of Ottawa

Pathology

FRCPC and American Board of Pathology - Anatomical Pathology

Forensic Pathology

American Board of Pathology

OUR ACTIVITIES (July 27, 2009 — July 27, 2010)



At right, pediatric caseload statistics from the establishment of PIMS on October 25, 2009 to July 27, 2010:

Unit	Caseload (under 5 years of age)
Hamilton	31
Kingston	n/a
London	29
Ottawa	10
Toronto	61
SickKids	16
Sudbury	1
Winnipeg	0



Name

Dr. Michael Pickup

Title

Forensic Pathologist

Location

Hamilton Forensic Pathology Unit

Pre-med Education

BSc, University of Toronto;
MSc, University of Toronto

Medical

MD, University of Toronto

Pathology

FRCPC, Anatomic Pathology,
University of Toronto

Forensic Pathology

FRCPC, University of Toronto

OFPS-Based Education

In-House Professional Development Seminars for Forensic Pathologists

Continuing education seminars are held up to six times per year at the PFPU in Toronto. Forensic pathologists from throughout the province participate by attending and presenting at “rounds”. These rounds qualify as continuing education for MoCOMP for the RCPSC.

The following topics were covered last year:

- Pediatric Sudden Unexpected Death Over the Age of One Year
- Pathologist for the Defence
- Department of National Defence
- Molecular Autopsy: Considerations for the development of a post-mortem genetic testing service
- The Atlanto-Occipital Joint of Neonates

Annual Education Course for Coroners and Pathologists

This annual, two-and-a-half day course is conducted jointly by the OCC and OFPS each autumn. This meeting qualifies as continuing education for MoCOMP for the RCPSC.

Last year’s session was held on October 29 to 31 and was attended by 37 registered pathologists.

A range of topics was covered including:

- Death Investigation in Criminally Suspicious Circumstances
- Electrophysiology of Sudden Cardiac Death
- Organ Donation
- Cause of Death Statements
- Therapeutic Complications and Care Related Issues
- Approach to Isolated Head Injury

Centre for Forensic Science and Medicine at the University of Toronto

The Centre for Forensic Science and Medicine (CFSM) at the University of Toronto (U of T) is an interdisciplinary initiative dedicated to the advancement of teaching and research in the forensic disciplines at the interfaces of the law and social sciences. The CFSM aims to contribute to the development of knowledge in these fields by drawing together a diverse group of practitioners and scholars. Presently, the Chief Forensic Pathologist holds the position of Director of the CFSM.

OUR ACTIVITIES

(July 27, 2009 — July 27, 2010)



The disciplines involved in the CFSM include: law; forensic science; forensic pathology; forensic psychiatry and psychology; forensic anthropology; forensic odontology; and forensic pediatrics. The centre is affiliated with the postgraduate residency and fellowship training in forensic pathology, the Faculties of Medicine and Law and the Forensic Sciences Program at the University of Toronto.

Seminar Series: Current Controversies in Forensic Science & Medicine: Toward Resolution in the 21st Century

This monthly series brings national and international experts to the U of T to discuss controversies in forensics. These seminars are attended by academics, those working in forensic disciplines, legal professionals and law enforcement practitioners. These seminars are also broadcast live over the Internet.

In the last year, the following topics were covered:

- Dr. Patrick Barnes, Professor, Stanford School of Medicine Department of Radiology, Stanford University Medical Center - “Child Abuse - Nonaccidental Injury (NAI): Issues and Controversies in the Era of Evidence-Based Medicine”
- Simon Cole, Associate Professor & Chair Department of Criminology, Law & Society, University of California, Irvine - “Forensics without Uniqueness, Conclusions without Individualization: The New Epistemology of Forensic Identification”
- Dr. John Butt, Principle Consultant & Forensic Pathologist, Pathfinder Forum - “Sudden Death: How it Happened’ – Is the current approach sound enough for reconstructing the end of life?”

- Dr. Noel Woodford, Head of Forensic Pathology Services, Victorian Institute for Forensic Medicine - “Multi-Slice CT Scanning in Forensic Pathology”
- Jim Fraser, Director, Centre for Forensic Science, University of Strathclyde, UK - “Imagination, Rhetoric and Reality in Forensic Science”
- Martin Evison, Director, Forensic Science Program, University of Toronto, Mississauga - “Facial Identification for the Courts: Is it a pseudoscience?”
- Brandon Garrett, Associate Professor of Law, University of Virginia School of Law - “Invalid Forensic Science and Wrongful Convictions”

Annual Educational Conference

On May 13 and 14, 2010, the CFSM held its annual conference, Forensic Medicine and Death Investigation. This conference was attended by medical, legal and law enforcement professionals and addressed the framework for integrating and identifying gaps in medicolegal death investigation and problematic and emergent areas.

Molecular Forensic Pathology

There have been major advances in the understanding of the causes of sudden and unexpected death in the young. This has resulted in the recognition of the sudden arrhythmic death syndrome, which may be caused by genetic mutations. Many of these genetic mutations run in families and cause an increased risk of other family members dying suddenly. On this basis, it is important to identify deaths caused by such mutations, so medical care can be instituted for surviving family members. Such genetic mutations can be identified with new diagnostic tests

offered by the techniques of molecular biology, using an approach called the ‘molecular autopsy’. ‘Molecular autopsy’ is an emerging tool that will enable Pathologists to detect genetic causes of death that are often undetectable by traditional means. Identifying these defects allow medical care to be instituted for surviving family members who often share these life-threatening mutations.



Name

Dr. Martin Queen

Title

Medical Director and Forensic Pathologist

Location

Sudbury Regional Hospital

Pre-med Education

BSc, University of Toronto

Medical

MD, University of Toronto

Pathology

FRCPC and American Board of Pathology - Anatomical Pathology

Forensic Pathology

American Board of Pathology

OUR ACTIVITIES

(July 27, 2009 — July 27, 2010)



In early 2010, the OFPS took the first step in developing a molecular autopsy service by completing a feasibility study for service delivery. This study assessed challenges and opportunities in the field through consultations with relevant stakeholders and experts within the province, as well as internationally recognized leaders in the field.

The resulting report provides eleven recommendations for the development of postmortem molecular genetic testing services at the OFPS. It envisions a three-stage plan in which laboratory services will be implemented in 2011, with full-scale molecular genetic testing coinciding with the movement of the OFPS to the new facility in 2013.

Recruitment of New Forensic Pathologists

The capacity of the OFPS has been enhanced through the recent addition of talented new recruits. Since July 2009, Dr. Jeff Tanguay and Dr. Kris Cunningham joined the PFPU, Dr. Elena Tugaleva joined the staff of the London Regional Forensic Pathology Unit and Dr. Michael Pickup was hired by the Hamilton Regional Forensic Pathology Unit. On August 1, 2010, Dr. Charis Kepron joined the team at the PFPU. Drs. Tanguay, Tugaleva, Pickup and Kepron are all graduates of the Forensic Pathology Residency Training Program.

Commensurate with the complexity of the underlying genetic disorders, this will be a collaborative, multi-disciplinary effort partnering pathologists with researchers, clinicians and diagnostic laboratories. Through the fulfilment of this strategic priority, the OFPS will advance our mission to prevent premature death from disease.



Name

Dr. Chitra Rao

Title

Forensic Pathologist

Location

Hamilton Forensic Pathology Unit

Pre-med Education

GC advanced level (Sri Lanka) Pre professional (premedical, Madras University India)

Medical

MBBS, Bihar University, India

Pathology

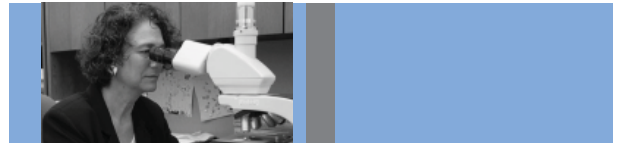
FRCPC - General Pathology

Training New Forensic Pathologists

The OFPS, in partnership with the Forensic Pathology Residency Training Program at the University of Toronto, continues to have a strong training program leading to certification in forensic pathology by the RCPSC. This highly successful postgraduate training program is the first and only one in Canada.

In July 2010, two new University of Toronto residents began their training in forensic pathology, Dr. Michelle Sapp and Dr. Mike D'Agostino. In addition, Dr. S. Kodikara has joined the PFPU from Sri Lanka to do an additional year of training in forensic pathology.

OUR ACTIVITIES (July 27, 2009 — July 27, 2010)



OFPS Overseas

Following the earthquake in Haiti in January 2010, Dr. Pollanen travelled to Haiti as part of an Interpol-led DVI assessment mission. Drs. Cunningham and Tugaleva later took part in a DVI mission to Haiti focused on the repatriation of Canadian nationals.

In May 2010, Dr. Pollanen took part in an international forum sponsored by the Victorian Institute of Forensic Medicine (VIFM) and Australian Federal Police (AFP) in Botswana, Africa, to discuss forensic pathology practice in Africa, current problems and issues.

In June 2010, Dr. Pollanen participated in a United Nations mission to Jamaica involving other international forensic experts to assist the Office of the Public Defender and Ministry of National Security with an independent investigation of 73 civilian deaths during a security forces operation in Kingston in May 2010.



Name

Dr. Toby H. Rose

Title

Medical Director and Forensic Pathologist

Location

Provincial Forensic Pathology Unit

Pre-med Education

BSc, University of Saskatchewan

Medical

MD, University of Saskatchewan

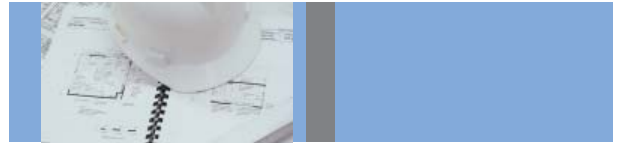
Pathology

FRCPC and American Board of Pathology - Anatomical Pathology

Forensic Pathology

American Board of Pathology

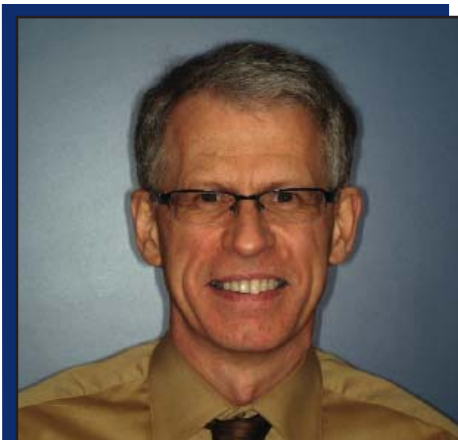
OUR ACTIVITIES (July 27, 2009 — July 27, 2010)



Forensic Services and Coroner's Complex

The Ministry is moving forward with plans to move the OFPS, OCC and the CFS to the new Forensic Services & Coroner's Complex (FSCC), currently under construction at Keele Street and Wilson Avenue in Downsview, Ontario. The project was awarded on June 17, 2010 to the consortium, Carillion Secure Solutions, with construction beginning August 2010. Target date for occupancy is 2013. The new facility will be largest, most state-of-the-art facility of its kind in the world, bringing together all aspects of forensic science and medicine.

Lombard Street Morgue 1908-1975



Name

Dr. Mike Shkrum

Title

Medical Director and Forensic Pathologist

Location

Southwestern Ontario Forensic Pathology Unit, London

Pre-med Education

BSc, University of Western Ontario

Medical

MD, University of Western Ontario

Pathology

FRCPC and American Board of Pathology - Anatomical Pathology

Forensic Pathology

American Board of Pathology

Forensic Services and Coroner's Complex 2013



Main Autopsy Room of the Forensic Services and Coroner's Complex



OUR PEOPLE



OFPS DIRECTORATE

Michael POLLANEN	Chief Forensic Pathologist
Effie WALDIE	Executive Assistant
Bonita ANDERS	Quality Analyst
Veronica SMART	Administrative Coordinator
Rose PERRI	Administrative Assistant
Lori BRADSHAW	Administrative Assistant
Cathy ARABIANIAN	Administrative Assistant
Judith DE SOUZA	Administrative Assistant

SHARED ADMINISTRATIVE SERVICES

Wendy DUNNING	Director of Operations
Cathy CRAIG	Chief Administrative Officer
Ann-Carol HARGREAVES	Business Solutions Project Manager
Cheryl MAHYR	Issues Manager
Jan JEFFREY	Projects and Services Manager
Jeff ARNOLD	FSCC Project Manager

TORONTO PFPU

Toby ROSE	Medical Director and Forensic Pathologist
Kris CUNNINGHAM	Forensic Pathologist
Charis KEPRON	Forensic Pathologist
Noel MCAULIFFE	Forensic Pathologist
Jeff TANGUAY	Forensic Pathologist
Michael D'AGOSTINO	Forensic Pathology Fellow
Michelle SAPP	Forensic Pathology Fellow
Sarathchandra KODIKARA	Forensic Pathology Fellow
Kathy MCKAGUE	Manager, Forensic Services
Kathy GRUSPIER	Forensic Anthropologist
Renee KOSALKA	Forensic Anthropologist
Bob WOOD	Forensic Odontologist
Brian FELDMAN	Forensic Odontologist
David CLUTTERBUCK	Autopsy Services Coordinator
Maureen CURRIE	Pathologist Assistant
Miguel ARIAS	Pathologist Assistant
Emily COLEMAN	Pathologist Assistant
Peter LEWIS	Pathologist Assistant
Terry IRVINE	Pathologist Assistant
Solange BERNAL	Pathologist Assistant
Tiffany MONK	Pathologist Assistant
Yolanda NERKOWSKI	Pathologist Assistant
Jessie COTTON	Pathologist Assistant
Alexandra WAZNA	Pathologist Assistant
Phil GUERTIN	Pathologist Assistant
Jennifer CHAPMAN	Pathologist Assistant



Name

Dr. Jeff Tanguay

Title

Forensic Pathologist

Pre-med Education

Honours BSc, Queens's University;
MSc, Queen's University

Medical

MD, University of Western Ontario

Pathology

FRCPC and American Board of
Pathology - Anatomical Pathology,
University of Toronto

Forensic Pathology

FRCPC, University of Toronto

OUR PEOPLE



TORONTO PFPU

Amanda MAINIERO	Forensic Service Technologist
Patrick KIM	Forensic Service Technologist
Elisabeth HAJNAL	Imaging Technologist
Christiane GUILLEMETTE	Histotechnologist
Maritta DE LOS REYES	Laboratory Attendant
Lucy COSTA	Administrative Assistant
Amanda MATTIX	Special Needs Outreach Coordinator
Renato TANEL	Dispatcher/Morgue Attendant
Jason CAMPITELLI	Dispatcher/Morgue Attendant
Brian POWELL	Dispatcher/Morgue Attendant
Debra WELLS	Dispatcher/Morgue Attendant
Tanya HATTON	Dispatcher/Morgue Attendant
Amber DRAKE	Dispatcher/Morgue Attendant
Margaret PICHECA	Dispatcher/Morgue Attendant
Chris MASSABKI	Dispatcher/Morgue Attendant
Graham BELL	Dispatcher/Morgue Attendant
Arlindo COELHO	Dispatcher/Morgue Attendant

HAMILTON FPU

John FERNANDES	Medical Director and Forensic Pathologist
Chitra RAO	Forensic Pathologist
David KING	Forensic Pathologist
Michael PICKUP	Forensic Pathologist
Vidhya NAIR	Cardiovascular Pathologist
Ross BARLOW	Forensic Odontologist
John PROVIAS	Neuropathologist
Boleslaw LACH	Neuropathologist
Tracy ROGERS	Forensic Anthropologist

LONDON FPU

Bertha GARCIA	Chief and Chair of Pathology
Michael SHKRUM	Medical Director and Forensic Pathologist
Edward (Ted) TWEEDIE	Forensic Pathologist
Elena TUGALEVA	Forensic Pathologist
Jessica SHEPHERD	Pathologist
Subrata CHAKRABARTI	Pathologist
Helen ETTLER	Pathologist
Nancy CHAN	Pathologist
Manal GABRIL	Pathologist
Bret WEHRLI	Pathologist
Madeleine MOUSSA	Pathologist
David DRIMAN	Pathologist
Aaron HAIG	Pathologist
Jose GOMEZ-LEMUS	Pathologist



Name

Dr. Elena Tugaleva

Title

Forensic Pathologist

Location

London Forensic Pathology Unit

Medical

MD, Donetsk State Medical University, Ukraine

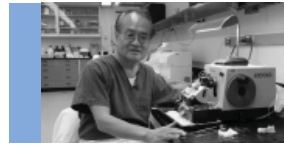
Pathology

FRCPC - Anatomic Pathology, University of Western Ontario

Forensic Pathology

FRCPC, University of Toronto

OUR PEOPLE



LONDON PFPU

Christopher ARMSTRONG	Pathologist
Mariamama JOSEPH	Pathologist
Christopher HOWLETT	Pathologist
Jeremy PARFITT	Pathologist
Kamilia RIZKALLA	Pathologist
Keith KWAN	Pathologist
Alan TUCK	Pathologist
Carolyn MCLEAN	Pathologist
David RAMSAY	Neuropathologist
Robert HAMMOND	Neuropathologist
Lee-Cyn ANG	Neuropathologist
Mike SPENCE	Forensic Anthropologist

OTTAWA FPU

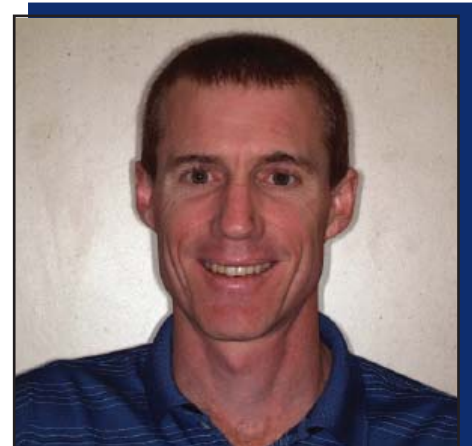
Jacqueline PARAI	Medical Director and Forensic Pathologist
Christopher MILROY	Forensic Pathologist
Terence MOYANA	Pathologist
Eric BELANGER	Pathologist
John VEINOT	Cardiac Pathologist
John WOULFE	Neuropathologist
David A. CAMELLATO	Forensic Odontologist

Ottawa Children's Hospital of Eastern Ontario

Jean MICHAUD	Neuropathologist
Elizabeth NIZALIK	Pediatric Pathologist
David GRYNSPAN	Pediatric Pathologist
Joseph DE NANASSY	Pediatric Pathologist

KINGSTON FPU

Victor TRON	Head of Pathology & Molecular Medicine, Pathologist
John ROSSITER	Medical Director and Neuropathologist
Marosh MANDUCH	Pathologist
Patricia FARMER	Pathologist
Paul MANLEY	Pathologist
David HURLBUT	Pathologist
Jerry CHEN	Pathologist
Christopher DAVIDSON	Pathologist
Tim CHILDS	Pathologist
Alexander BOAG	Pathologist
Samuel LUDWIN	Pathologist
Iain YOUNG	Pathologist
David LEBRUN	Pathologist
Sandip SENGUPTA	Pathologist



Name

Dr. Edward (Ted) Tweedie

Title

Anatomical and Forensic Pathologist

Location

Southwestern Ontario Forensic Pathology Unit, London

Medical

MD, University of Western Ontario

Pathology

FRCPC – Anatomic Pathology

OUR PEOPLE



SickKids

Glenn TAYLOR
David CHIASSON
Gregory WILSON
William HALLIDAY
Cynthia HAWKINS

Head of Pathology, Pathologist
Medical Director & Forensic Pathologist
Pathologist
Neuropathologist
Neuropathologist

SUDBURY

Martin QUEEN Forensic Pathologist
Silvia GAYTAN-GRAHAM Neuropathologist

FELLOWS



Name
Dr. Michael S. D'Agostino

Title
Forensic Pathologist Fellow

Location
Provincial Forensic Pathology Unit

Pre-med Education
BSc and MBA, Lake Superior State University (Michigan)

Medical
MD, University of Toronto

Pathology
FRCPC – General Pathology, University of Toronto



Name
Dr. Sarathchandra Kodikara

Title
Forensic Pathology Fellow

Location
Provincial Forensic Pathology Unit

Pre-med Education
Attorney-at Law, Sri Lanka Law College

Medical
MBBS, University of Peradeniya (Sri Lanka)

Forensic Pathology
MD, Forensic Medicine, University of Colombo (Sri Lanka)



Name
Dr. Michelle Sapp

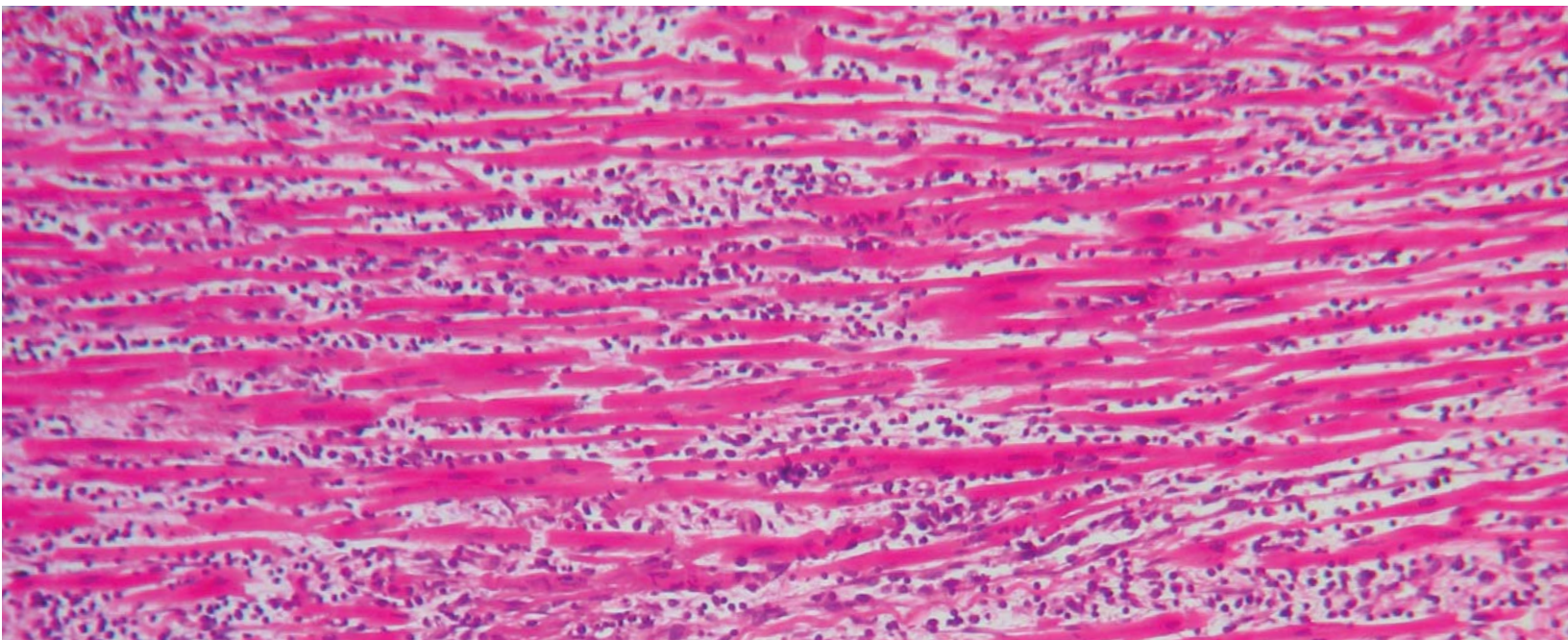
Title
Forensic Pathology Fellow

Location
Provincial Forensic Pathology Unit

Pre-med Education
Honours BSc, Saint Francis Xavier University

Medical
MD, Dalhousie University

Pathology
FRCPC and American Board of Pathology – Anatomical Pathology, University of Toronto



CONTACT

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