



RFP-LC-22-05

**Medical Examiner Services for the
Livingston County Health Department**

June 22, 2022

Edward W. Sparrow Hospital Association
Sparrow Forensic Pathology
1215 E. Michigan Avenue
Lansing, Michigan 48912
517.364.2561
Sparrow.org

Section 1 – Bidder Responses
MEDICAL EXAMINER SERVICES AGREEMENT

1. **General Scope of Services.** Contractor, through its employees, subcontractors, or agents, commencing September 1, 2022, shall provide the County with the all services required of the County's Medical Examiner in accordance with Michigan Law (Act No. 181 of Public Acts of 1953, as amended including but not limited to the following (herein "Services")):
 - a. Conducting inquiries into all deaths reported to the Livingston County Medical Examiner's Office. Upon County establishing that the Livingston County Medical Examiner's Office has jurisdiction over the death, Contractor will conduct a full investigation in accordance with standards adopted by the National Association of Medical Examiners ("NAME"). Contractor shall generate a record of all reported deaths, regardless of jurisdiction, and shall maintain case files.
 - b. Performing forensic autopsies pursuant to the requirements of the State of Michigan and according to professional standards established by the NAME. Such exams shall include necessary forensic neuropathology, toxicology, anthropology, entomology, odontology, biology, radiology, and any other specialized testing, based upon standards established by the NAME.
 - c. Signing all appropriate death certificates and review and authorize cremation permits in a timely manner. Contractor will work cooperatively with funeral directors and the Livingston County Clerk's Office to ensure that death certificates and cremation permits are completed accurately and in a timely manner, as required by law. Contractor shall keep a record of all cremation permits issued and forward the information to the County on a monthly basis for billing purposes.
 - d. Providing necessary communications and being available to respond to the inquiries of County staff, prosecuting attorneys, criminal defense attorneys, law enforcement agencies, funeral directors, health care institutions and their professional staff, and involved citizens and families regarding particular death investigations and general procedures.
 - e. Providing necessary information to and participate in death reviews, including participation in child death review team meetings.
 - f. Participating in court proceedings, when officially requested.

- g. Attending meetings with County officials as needed.
- h. Appointing medical examiner investigators, determining the duties assigned to the medical examiner investigators, and promulgating rules relative to the conduct of the medical examiner's office.

2. **Autopsy Reports and Death Certificates.** Contractor shall utilize its best efforts to:

- a. Conduct autopsies within twenty-four (24) hours of a body's release from the scene of death, except for on Sundays and Contractor's holidays. It is recognized that circumstances, such as frozen bodies, high caseload, and donations to Gift of Life, may delay autopsies.
- b. Make preliminary autopsy findings available no later than 9 a.m. on the day following the autopsy, unless the day following the autopsy is a Sunday or Contractor holiday.
- c. Complete death certificates with any items pending further testing or information within sixty (60) days of the date of autopsy, unless special diagnostic studies are necessary and such studies delay completion of the death certificate.
- d. Make available no less than ninety percent (90%) of all final autopsy reports in the Medical Examiner's Office within sixty (60) days from the date of autopsy, unless special diagnostic studies are necessary and such studies delay completion of the report.

3. **Case Records.** Contractor shall maintain medical examiner case records originating during the term of this Agreement in its office in professional acceptable content and format. The County shall have the sole and exclusive right to records, excluding those medical records required to be confidentially maintained pursuant to patient privacy laws, pertaining to the services rendered by Contractor pursuant to this Agreement. Contractor shall have use of necessary records when such access is required for the performance of the services to be provided under this Agreement and for any of its quality, compliance or any other reviews Contractor deems necessary. Upon the completion or termination of this Agreement, all records excluding those medical records required to be confidentially maintained pursuant to patient privacy laws, pertaining to services provided hereunder in Contractor's possession shall be turned over to the County; provided, however that Contractor shall have access to the records upon its written request. Furthermore, nothing in this Section shall be read as requiring Contractor to delete any

information it maintains electronically or records that Contractor is required to maintain by law.

For Medical Examiner records that are public records under the Freedom of Information Act ("FOIA"), Contractor shall cooperate with the County in providing a response to requests for disclosure of public records under FOIA. Contractor shall promptly forward all FOIA request for Medical Examiner records to the County within three (3) business days after its receipt of the request.

4. **Compensation.** The County shall compensate Contractor for Services performed under this Agreement as follows:
 - a. See separate Pricing Proposal (RFP-LC-22-16 Medical Examiner Services for Livingston County PRICING PROPOSAL)
 - b. The Annual Rate amount for the Services shall increase in accordance with Contractor's costs, determined solely by Contractor, at a rate not to exceed four percent (4%) per year.
 - c. Contractor shall invoice the County for Services provided on a monthly basis. The invoices shall be sent to:
Livingston County Medical Examiner Coordinator
1911 Tooley Road
Howell, MI 48855
 - d. All payments under this Agreement shall be mailed to Contractor at the address indicated on the invoice.
5. **Independent Contractor.** It is expressly understood and agreed that Contractor is an independent contractor. The employees, subcontractors, and agents of Contractor shall in no way be deemed to be and shall not hold themselves out as employees of the County, but they may be considered agents of the County in their respective capacities as Medical Examiner and Deputy Medical Examiner, and as such, do not forfeit governmental immunity by entering into this Agreement. Contractor's employees, agents, and subcontractors shall not be entitled to any fringe benefits which the County affords its employees, such as, but not limited to health and accident insurance, life insurance, paid vacation or sick leave or longevity. Contractor and any agent or subcontractors shall be responsible for paying all compensation due their employees and agents for work which they perform under this Agreement and for the withholding and payment of all applicable taxes, including, but not limited to, income and Social Security taxes to the proper Federal, State, and local governments. It is also expressly understood and agreed that County and its employees, subcontractors, and agents shall in no way be deemed to be and shall not hold themselves out as employees of the Contractor.

6. **Required Insurance.** Contractor shall procure and maintain during the life of this Agreement, the following insurance coverage, and shall provide County with evidence that such coverage is in force:

- a. **Workers' Compensation Insurance** including Employers' Liability Coverage, in accordance with all applicable statutes of the State of Michigan;
- b. **Commercial General Liability Insurance** on a "Claims Made Basis" with limits of liability not less than One Million and 00/100 Dollars (\$1,000,000.00) per occurrence and aggregate for Personal Injury, Bodily Injury, and Property Damage; and
- c. **Professional Liability Insurance** (Errors and Omissions) with minimum limits of liability of One Million and 00/100 Dollars (\$1,000,000.00) per occurrence.
- d. **Additional Insured.** The commercial General Liability Insurance, as described above, shall include an endorsement stating the following, "Additional Insureds: The County of Livingston, all County of Livingston elected and appointed officials, and all County of Livingston employees, boards, commissions and/or authorities and board members, including employees thereof."

The Commercial General Liability Insurance shall be considered to be Primary coverage to the Additional Insureds and not contributing with any other insurance or similar protection available to the Additional Insureds whether said other available coverage be primary contributing or excess.

- e. **Cancellation Notice.** All insurances described above shall include an endorsement stating the following: "It is understood and agreed that thirty (30) days advance written notice of cancellation, non-renewal, reduction and/or material change shall be sent to Livingston County, ATTN: Fiscal Services – procurement 304 E. Grand River Ave., Suite 204, Howell, MI 48843."
- f. **Proof of Insurance.** Contractor shall, upon request provide to the County, at the time of this Agreement is signed, two (2) copies of certificates of insurance for each of the policies mentioned above. If so requested, certified copies of all policies must be furnished.

7. **No Indemnifications and Hold Harmless.** It is understood that neither party to this Agreement is the agent of the other and neither is liable for the wrongful acts or negligence of the other. Each party shall be responsible for its own liability arising from the acts or omissions of its employee or agents, occurring in the

course of performing this Agreement. Neither party shall assume any liability of the other, or defend, indemnify or hold harmless the other party, against any claims or liability of the other party, arising from the other party. Nothing in this Agreement shall be interpreted to waive or limit in any way the protections and privileges provided by law, including without limitation governmental immunity.

8. **Warranty Regarding Health Care Fraud.** The County represents and warrants that as of the Execution Date of this Agreement, the County:

- a. Has not been listed by a federal agency as excluded, debarred, suspended or otherwise ineligible to participate in federal health care programs; and
- b. Has not been convicted of any crime related to defrauding any health care benefit program.

The County further agrees to notify Contractor, in writing, immediately if the County is listed by a federal agency as excluded, debarred, suspended, or otherwise ineligible to participate in federal health care programs or if the County is convicted of any crime related to defrauding any health care benefit program.

9. **Debarment and Suspension.** The County and Contractor both certify to the other that to the best of its knowledge and belief it:

- a. Is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;
- b. Has not within the three (3) year period preceding this Agreement been convicted of or had a civil judgement rendered against it for commission of a fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction of contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery falsification or destruction of records, making false statements or receiving stolen property;
- c. Is not presently indicated or otherwise criminally or civilly charged by a governmental entity (federal, state, or local) with commission of any of the offenses enumerated in (b) above; and
- d. Has not within the three (3) year period preceding this Agreement had one or more public transactions (federal, state, or local) terminated for cause or default.

If any of the events listed in the first paragraph of Section 10 occur or are found to have occurred while this Agreement is in effect either party may, without any

liability to the other, terminate this Agreement effective immediately upon delivery of written notice of termination to the other party.

10. **Compliance with the Law and Arbitration** In performing the Services to be conducted under this Agreement, Contractor shall comply with all applicable Federal, State and local laws, ordinances, rules, and regulations.

All disputes hereunder, including but not limited to, claims for breach of this Agreement, claims based on state or federal statutes, including civil rights claims under state and federal law, and claims based on common law, shall be resolved through arbitration. Arbitration shall be conducted according to the Michigan Court Rules and the applicable rules of the American Arbitration Association ("AAA"). In the event of a conflict between the Michigan Court Rules and AAA Rules, the Michigan Court Rules shall control. Arbitration shall be the parties' sole recourse for resolution of disputes arising under this Agreement. The party asserting the claim must initiate the arbitration by filing a written Demand for Arbitration (the "Demand") with both the regional office of AAA and the other party. This Demand shall be filed within one hundred eighty (180) days of the date the claim accrued or the claim shall be forever barred. The arbitration shall be conducted in Ingham County, Michigan. Parties shall have the right to legal counsel and reasonable discovery. Parties shall bear equally the cost of AAA's filing fee. The arbitrator, however, shall have the authority to grant any remedy or relief that would have been available to the Parties had the matter been heard in court, including the allocation of fees. The arbitrator's award shall be final and binding upon Contractor and County and a judgment of the Michigan Circuit Court or the United States District Court may be rendered thereon. Judicial review shall not be permitted, unless allowed by Michigan law.

This Agreement shall be construed according to the laws of the State of Michigan.

11. **Confidentiality.**

- a. The County acknowledges that any and all information related to (i) Contractor's Services hereunder, including, but not limited to, individually identifiable health information as defined by the Administrative Simplification Provisions of the Health Insurance Portability and Accountability Act of 1996 ("HIPAA"); and (2) the conduct by Contractor of providing health care, is strictly confidential and constitutes the exclusive property of Contractor, and that the use or disclosure of such matters, other than pursuant to the terms of this Agreement, shall be contrary to the best interests of Contractor and shall cause harm and damage to Contractor and its medical practice. In furtherance and on account thereof, the County covenants and agrees (i) to comply with state and federal laws regarding confidentiality of individually identifiable health information, including, but not limited to, HIPAA and (ii) to comply with all of Contractor's policies and

procedures pertaining to use and disclosure of individually identifiable health information or proprietary business information.

- b. The confidentiality restrictions set forth in Subsection a. of this Section shall not apply to information which: (i) generally becomes available to the public through no act of the County in breach of this Agreement; (ii) was in the possession of, or available to the County on a non-confidential basis prior to its disclosure; or (iii) is independently developed by the County. The parties

- 12. **License Requirements.** Contractor's employees that are providing Services under this Agreement shall at all times while this Agreement remains in effect meet all Federal, State and local license and/or authorization requirements to practice medicine. Failure to obtain and/or maintain any license and authorization requirements to practice medicine and/or loss of the same shall result in the immediate automatic termination of the employee's ability to provide Services under this Agreement.

- 13. **Nondiscrimination.** Contractor and the County, as required by law, shall not discriminate against a person to be served or any employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment because of race, color, religion, national origin, age, sex, sexual orientation, gender identity, disability, height, weight, marital status, political affiliation or beliefs, except where age, sex or lack of disability constitutes a bona fide occupational qualification.

Each party shall adhere to all applicable Federal, State, and local laws, ordinances, rules and regulations prohibiting discrimination, including, but not limited to the following:

- a. Section 504 of the Rehabilitation Act of 1973, as amended.
- b. The Elliott Larsen Civil Rights Act, 1976 PA 453, as amended.
- c. The Persons with Disabilities Civil Rights Act, 1976 PA 220, as amended.
- d. The Americans with Disabilities Act of 1990, P.L. 101-336, 104 Stat 328 (42 USC§12101 et.seq.), as amended, and rules and regulations promulgated thereunder.

- 14. **Waivers.** No failure or delay on the part of either the County or Contractor in exercising any right, power or privilege under this Agreement shall operate as a waiver thereof, nor shall a single or partial exercise of any right, power or privilege preclude any other or further exercise of any other right, power or privilege.

15. **Amendment of the Agreement.** All modifications, amendments, or waivers of any provision of this Agreement or the Services to be performed hereunder shall be made only by the written mutual consent of the parties hereto.
16. **Assignment.** Neither party shall subcontract or assign this Agreement without the prior written consent of the other party.
17. **Subcontracting.** Other than as noted in this Section, Contractor and County may not subcontract, delegate, or assign its duties under this Agreement without the prior written consent of the other party. Furthermore, the restrictions of this Section shall not apply to the appropriate delegation of responsibilities to a Deputy Medical Examiner appointed by the County or to the appropriate delegation of responsibilities to a Medical Examiner Investigator by Contractor.
18. **Disregarding Titles.** The titles of the sections set forth in this Agreement are inserted for the convenience of reference only and shall be disregarded when construing or interpreting any of the provisions of this Agreement.
19. **Complete Agreement.** This Agreement and any exhibits incorporated by reference contains all the terms and conditions agreed upon by the County and Contractor, and no other agreement, oral or otherwise, regarding the subject matter of this Agreement or any part thereof shall have any validity or bind either the County or Contractor unless done in accordance with Section 16 of this Agreement.
20. **Notification of Claims and Joint Defense.** County and Contractor shall promptly notify the other of any claim against them with respect to or arising from the Agreement. To the extent a claim is brought against County or Contractor, the parties shall, as reasonably able and as recommended by their respective independent legal counsel, cooperate in the defense of such claim. Upon a party's request, the notifying party shall provide the other party with all known details of the nature, circumstances, and disposition of any suits, claims or investigations reportable under this Section; provided, however, that nothing in this Section shall require any party to provide the other with any information prohibited to be disclosed by applicable law or administrative agency requirement, or to waive any privilege.
21. **Agreement Period and Termination.** This Agreement shall become effective and performance thereon shall commence on the 1st day of September, 2022 and shall continue through the 31st day of August, 2025, at which time it shall expire. Notwithstanding any other provision in the Agreement to the contrary, this

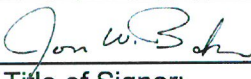
Agreement may be terminated by either party upon ninety (90) days prior written notice to the other party.

22. **Notices.** Any notice required by this Agreement shall be deemed given if sent by certified or registered mail, with postage fully prepaid, at the last known address of the party to_ be notified. Notices shall be deemed given on the date of mailing, irrespective of the date of receipt.
23. **Invalid/Unenforceable Provisions.** If any section, clause, or provision of this Agreement is rendered invalid or unenforceable because of any State or Federal statute or regulation or ruling of any tribunal of competent jurisdiction, that section, clause, or provision shall be null and void and shall be considered to be deleted and the remainder of the Agreement shall not be affected thereby. Where the deletion of the invalid or unenforceable section, clause, or provision would result in the illegality and/or unenforceability of this Agreement, this Agreement shall be considered to have terminated as of the date in which the provision was rendered invalid.
24. **Certification of Authority to Sign Agreement** The persons signing this Agreement on behalf of the parties hereto certify by their signatures that they are duly authorized to sign on behalf of said parties and that this Agreement has been authorized by said parties.

Exhibit A- Contractor's Employees Appointed

Medical Examiner:	Michael A. Markey, M.D.
Deputy Medical Examiner:	David S. Moons, M.D.
Deputy Medical Examiner:	Christopher A. Hauch, M.D

2.1 Company Profile

Official Name of Bidder: Edward W. Sparrow Hospital Association		Type of Entity/Organization (check one): <input type="checkbox"/> Corporation <input type="checkbox"/> Joint Venture <input type="checkbox"/> Limited Liability Partnership <input type="checkbox"/> Partnership <input type="checkbox"/> Limited Liability Corporation <input checked="" type="checkbox"/> Non-Profit / Church <input type="checkbox"/> Other: _____
Street Address: 1215 E. Michigan Avenue		
City: Lansing		
State: MI	Zip Code: 48912	
Website: www.sparrow.org		
Primary Contact Name: Elizabeth M. Reust		
Primary Contact Phone Number 517-371-9475		Dun & Bradstreet (D&B) Number (if applicable):
Primary Contact Email Address: elizabeth.reust@sparrow.org		
Federal Tax ID Number: 38-1360584		
Has your company ever been debarred by the Federal Government? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, has it been lifted and if so, when?		
Has your company ever been debarred by State Governments? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, has it been lifted and if so, when?		
Brief history of your company, including the year it was established: Fully accredited through the National Association of Medical Examiners since 2009.		
The individual below is authorized to sign on behalf of the company submitting this proposal. Proposals must be signed by an official authorized to bind the provider to its provisions for a period of at least 90 days.		
Signature: 		
Name and Title of Signer: Jon W. Baker, Director of Laboratories		
Date: June 22, 2022		

***Please include a current W-9 and evidence of insurance coverage as outlined in Section 4.3: Insurance Requirements.**

2.2 References

List at least three references, preferably from individuals or organizations where services similar to those requested in this RFP were provided.

Entity Name: Ingham County Health Department	
Contact Name: Linda S. Vail, MPA	Title: Health Officer
City: Lansing	State: MI
Phone Number: 517-877-4311	Years Served: 2011-Present
Contact Email: lvail@ingham.org	
Description of Services: Complete Medical Examiner Services	
Annual Caseload/Volume: 1085 deaths reported annually	

Entity Name: Eaton County Health Department	
Contact Name: John F. Fuentes, CPA	Title: Eaton County Controller/Administrator
City: Charlotte	State: Michigan
Phone Number: 517-543-2122	Years Served: 2007-Present
Contact Email: jfuentes@eatoncounty.org	
Description of Services: Complete Medical Examiner Services	
Annual Caseload/Volume: 235 reported deaths annually	

Entity Name: Ionia County Health Department	
Contact Name: Stephanie Fox	Title: Administrator
City: Ionia	State: Michigan
Phone Number: 517-527-5300	Years Served: 2014-Present
Contact Email: sfox@ioniacounty.org	
Description of Services: Complete Medical Examiner Services	
Annual Caseload/Volume: 120 deaths reported annually	

2.3 Certificate of Compliance with Public Act of 517 of 2012

I certify that neither E.W. Sparrow Hospital Association, nor any of its successors, parent companies, subsidiaries, or companies under common control, are an "Iran Linked Business" engaged in investment activities of \$20,000,000.00 or more with the energy sector of Iran, within the meaning of Michigan Public Act 517 of 2012. In the event it is awarded Contract as a result of this Invitation to Proposal, Company will not become an "Iran linked business" during the course of performing the work under the Contract.

NOTE: IF A PERSON OR ENTITY FALSELY CERTIFIES THAT IT IS NOT AN IRAN LINKED BUSINESS AS DEFINED BY PUBLIC ACT 517 OF 2012, IT WILL BE RESPONSIBLE FOR CIVIL PENALTIES OF NOT MORE THAN \$250,000.00 OR TWO TIMES THE AMOUNT OF THE CONTRACT FOR WHICH THE FALSE CERTIFICATION WAS MADE, WHICHEVER IS GREATER, PLUS COSTS AND REASONABLE ATTORNEY FEES INCURRED, AS MORE FULLY SET FORTH IN SECTION 5 OF ACT NO. 517, PUBLIC ACTS OF 2012.

Name of Company: E. W. Sparrow Hospital Associaion
By: Jon W. Baker <i>Jon W. Baker</i>
Title: Director of Laboratories
Date: June 22, 2022

Notary
State of _____
County of _____
Sworn to and subscribed before me, a notary public in and for the above state and county, on this _____ day of _____, 20 _____.
Notary Public _____
My commission expires: _____

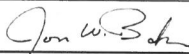
2.4 Proposal Submission Checklist

To enable consistent Proposal evaluation, the following Proposal Contents/Format has been developed.

FAILURE TO SUBMIT THE REQUESTED DOCUMENTS COULD RESULT IN DETERMINING THE SUBMISSION AS NON-RESPONSIVE AND REJECTED.

Complete?	Item Description
x	Section 1 – Bidder Responses: Bidders may provide narrative responses/information to address any Scope of Work components.
x	Section 2.1 – Company Profile
x	Section 2.2 - References
x	Section 2.3 – Certificate of Compliance with Public Act 517 of 2012
x	Section 2.4 – Proposal Submission Checklist
x	Attachment A - Questionnaire
x	Attachment B – Pricing (either Option 1 or Option 2)
	Addendum Signature Page (s) *(If applicable)

Submitted proposal contains all completed forms/certifications as listed above:

Authorized Signature:	
Printed Name of Authorized Representative:	Jon W. Baker
Title:	Director of Laboratories
Date:	June 17, 2022



Improving the health of the people in our communities by
providing quality, compassionate care to everyone, every time

QUESTIONNAIRE

1. Overview of Services Proposed

Contractor will meet County's proposed criteria with the following notations. (See Section 1, Bidder Responses for additional details.)

1.2 Scope of Work

In accordance with Michigan Law (Act No. 181 of Public Acts of 1953) the medical examiner will be solely responsible for appointing medical examiner investigators, determining the duties assigned to the medical examiner investigators, and promulgating rules relative to the conduct of the medical examiner's office.

1.3 (A) Autopsy Reports and Death Certificates

Autopsies will be conducted within twenty-four (24) hours of a body's release from the scene of death, except for on Sundays and Contractor's holidays. It is recognized that circumstances, such as frozen bodies, high caseload, and donations to Gift of Life, may delay autopsies.

1.3 (E) Autopsy Reports and Death Certificates

Final autopsy reports will be available in the County Medical Examiner's Office, within sixty (60) days from the certified date of death ninety percent (90%) of the time unless special diagnostic studies are necessary and such studies delay completion of the case. ~~Failure to meet the time frame will result in a \$1,500.00 per month penalty for each month not meeting the benchmark.~~

1.4 Case Records

Case records will be maintained electronically in MDILog and the County will have access to all records.

1.5 (F) Compensation

Compensation will be according to the attached Pricing Proposal.

4.3 Insurance Requirements

Contractor carries the following insurance:

Commercial General Liability Insurance on a "Claims Made Basis" with limits of liability not less than One Million and 00/100 Dollars (\$1,000,000.00) per occurrence and aggregate for Personal Injury, Bodily Injury, and Property Damage; and

Professional Liability Insurance (Errors and Omissions) with minimum limits of liability of One Million and 00/100 Dollars (\$1,000,000.00) per occurrence.

Automobile Liability insurance will not be included in this agreement, as the contractor will not be providing any transportation.

2. **Curriculum Vitae**

See attached

3. **Qualifications**

See attached

4. **Medical Licenses**

See attached

5. **Training**

Continuing education for medical examiner investigators is provided on a regular basis. All medical examiner investigators must be ABMDI certified upon being appointed or must become ABMDI certified within six months of appointment.

6. **Back-up**

Investigative support is available 24/7 from our offices in Lansing. Response may be by telephone at the discretion of the medical examiner. Estimated time of arrival upon notification is within 90 minutes.

7. **Case Records**

Case records will be maintained electronically in MDILog and the County will have access to all records.

8. **Policies**

We have 82 policies comprised of nearly 500 pages. Specific policies will be provided upon request or electronic access to our Policy & Procedure Manual will be made available to necessary personnel.

CURRICULUM VITAE
MICHAEL A. MARKEY, MD

June 22, 2022

PERSONAL

Work Address: Sparrow Forensic Pathology
Sparrow Hospital
1215 East Michigan Ave.
Lansing, Michigan 48912

E-mail Address: michael.markey@sparrow.org

EMPLOYMENT

04/03 to Present	Sparrow Forensic Pathology Medical Director of Forensic Pathology (2015-) Sparrow Hospital Lansing, Michigan
07/02 to 03/03	First Forensic Medical Laboratories, SC and Capitol Forensic Medicine, SC Springfield, Illinois

MEDICAL EXAMINER APPOINTMENTS

2014 to Present	Medical Examiner	Ingham County, MI
2011 to 2014	Deputy Medical Examiner	Ingham County, MI
2014 to Present	Medical Examiner	Ionia County, MI
2014 to Present	Medical Examiner	Isabella County, MI
2007 to Present	Medical Examiner	Eaton County, MI
2007 to Present	Medical Examiner	Shiawassee County, MI
2003 to 2007	Deputy Medical Examiner	Shiawassee County, MI
2016 to 2018	Medical Examiner	Barry County, MI
2006 to 2016	Deputy Medical Examiner	Barry County, MI
2014 to 2017	Medical Examiner	Livingston County, MI
2005 to 2014	Deputy Medical Examiner	Livingston County, MI

2011 to 2017	Medical Examiner	Montcalm County, MI
2003 to 2014	Deputy Medical Examiner	Allegan County, MI
2003 to 2014	Deputy Medical Examiner	Muskegon County, MI
2010 to 2014	Deputy Medical Examiner	Kalamazoo County, MI
2014	Deputy Medical Examiner	Calhoun County, MI

EDUCATION/TRAINING

2001-2002	Office of the Medical Investigator, Albuquerque, NM Fellowship, Forensic Pathology
2000-2001	University of New Mexico, Albuquerque, NM Neuropathology Acting Fellowship
1996-2000	University of New Mexico, Albuquerque, NM Residency, Anatomic and Clinical Pathology Chief Resident of Pathology (1999-2000)
1992-1996	Southern Illinois University School of Medicine, Springfield, IL MD
1988-1992	Western Illinois University, Macomb, IL BS, Biology

LICENSURE/CERTIFICATION

Medical Licenses	State of Michigan	Lic. Num. 4301081276
	State of New Mexico	Lic. Num. 2000-67 - inactive
	State of Illinois	Lic. Num. 036-106240 - inactive

Diplomate of the American Board of Pathology
Combined Anatomic/Clinical Pathology, September 2001
Forensic Pathology, November 2002

ACADEMIC APPOINTMENTS

Michigan State University – College of Osteopathic Medicine
Clinical Assistant Professor
October 2012 – Current

Michigan State University – College of Human Medicine

Clinical Assistant Professor
January 2016 - Current

Southern Illinois University School of Medicine
Clinical Assistant Professor, Department of Pathology
August 2002 – March 2003

CURRENT HOSPITAL STAFF APPOINTMENTS

Sparrow Hospital - Lansing, Michigan
May 2003 - Present

HONORS

University of New Mexico Health Sciences Center
Chief Resident of Pathology, 1999-2000

Southern Illinois University School of Medicine
Alpha Omega Alpha, 1995
Honors - Second year curriculum, 1993-94
Honors - Surgery, Medicine, and Pediatric Clerkships, 1994-95
Institutional Honors upon graduation, 1996

Western Illinois University
Phi Kappa Phi - academic honor society
Phi Eta Sigma - freshman honor society
University Dean's List - 8 semesters
Departmental Scholar, Biology Department 1992

PROFESSIONAL SOCIETY MEMBERSHIPS

National Association of Medical Examiners, Fellow
American Academy of Forensic Sciences, Fellow
Michigan Association of Medical Examiners, Member
College of American Pathologists, Fellow
American Society of Clinical Pathologists, Fellow

COMMITTEE APPOINTMENTS

Michigan Association of Medical Examiners
- President (2010- 2012)
- Executive committee member (2009- 2015)
- Legislative liaison (2009-2010)

- Delegate to the Michigan State Medical Society House of Delegates (2009-2012)

National Association of Medical Examiners

- Ad Hoc Committee on Forensic Toxicology (2009-2016)
- EPP-Forensic Fellow In-Service Exam (2010-2016)

Michigan Medical Examiner System Workgroup (2016-present)

Ingham, Ionia, Isabella, Shiawassee, and Eaton County Child Death Review Committees (Current)

Ingham County Elder Death Review Committee

CAP Resident Forum representative, State of New Mexico, 1999-2001

Anatomic Pathology Process Workgroup, TriCore Reference Laboratories and The University of New Mexico, 1999

Clinical Pathology Technical Council, TriCore Reference Laboratories and the University of New Mexico, 2000

VAMC Pathology Service Chief Search Committee, 2000

Undergraduate Medical Education Committee, University of New Mexico, 1999-2000

Ethics Curriculum Committee, University of New Mexico, 2000

University of New Mexico Housestaff Committee, 1999-2000

Pathology Residency Selection Committee, University of New Mexico, 1996-2000

TEACHING/EDUCATIONAL ACTIVITIES

Michigan State University - College of Osteopathic Medicine
Lecturer in pathology (2012-2017)
Oversight of pathology curriculum

Michigan State University – Osteology and Forensic Anthropology Course
Invited lecturer – 2014-2015

University of Michigan Pathology Residency Program
Lecturer in forensic pathology, 2003 – 2007

Michigan State University Forensic Sciences Program

Invited speaker, Introduction to Forensic Pathology – 2003

Michigan State University Department of Emergency Medicine

Instructor, Forensic Pathology Elective Rotation,

Invited speaker/presenter, monthly Morbidity and Mortality Conference,

Michigan State University College's of Human and Osteopathic

Medicine/Sparrow Health Services

Instructor, Elective in Forensic Pathology, 2003 - present

University of New Mexico School of Law

Expert Witness, Evidence/Trial Practice class, 1999 and 2001

University of New Mexico School of Medicine

Neuropathology gross conference (brain cutting conference), 2000-2001

Surgical neuropathology conference, 2000-2001

Medical student laboratory instructor, neuropathology, 2001

Medical student laboratory instructor, gross anatomy and pathology

1996-2000

PRESENTATIONS

“Investigation of Drug Related Deaths”, Blue Cross and Blue Shield Advanced and Master Class Training, New Hudson, MI September 2019.

“Investigation of Drug Related Deaths”, Prosecuting Attorneys Association of Michigan (PAAM) 5th Annual Drug Initiatives Conference, East Lansing, MI, July 2019

“The Frequency of Cannabinoids in a Medical Examiner Population”, Poster Presentation, American Academy of Forensic Sciences 71st Annual Scientific Meeting, Baltimore, MD, February 2019.

“Investigation of Drug Related Deaths”, National Attorneys General Training and Research Institute (NAGTRI) Overdose Death Investigation & Prosecution Training hosted by the Michigan Department of Attorney General, Lansing, MI, August 2018.

“Is This Death due to Drug Intoxication?”, Medical Examiner and Coroner Training Program, Henry Center-Michigan State University, Lansing, MI, June 2011 and Soaring Eagle Conference Center, Mount Pleasant, MI, November 2011.

“Histologic Diagnosis of Amniotic Fluid Embolism: Providing Context Through Immunohistochemistry”, American Academy of Forensic Sciences 62nd Annual Scientific Meeting, Seattle, WA, February 2010

“Forensic Pathology Aspects of Motor Vehicle Fatalities”, Advanced OWI Prosecution Course, Augusta, MI, September 2009

“Rethinking SIDS – Proposed Subclassification of SIDS”
Michigan Association of Medical Examiners Annual Meeting, Mt. Pleasant MI, October 2004

“Integrated Forensic and Academic Neuropathology in a Regionalized Autopsy Center, University of New Mexico Pathology Grand Rounds, February 2002

“Biological and Chemical Agents of Terrorism”, Advances in Forensics Conference, Gallup, NM, December 2001

“Gunshot Wounds”, 28th Medicolegal Investigation of Death Forensic Science Seminar, Albuquerque NM, September 2001

“An Unusual Case of Hanging”, 28th Medicolegal Investigation of Death Forensic Science Seminar, Albuquerque NM, September 2001

“Immunocytochemical Localization of Hantavirus in the CNS of Patients with Hantavirus Cardiopulmonary Syndrome” Platform presentation at the 77th Annual Meeting of the Am. Assoc. of Neuropathologists, Chicago IL, June 21-24, 2001

“Ehlers-Danlos Syndrome, Vascular Type”, University of New Mexico Pathology Grand Rounds, May 2000

“Death of a Gold Miner”, 26th Medicolegal Investigation of Death Forensic Science Seminar, Albuquerque, NM, September 1999

“Genotypic and Phenotypic Antiretroviral Resistance Testing”, University of New Mexico, Medical Technologist Continuing Medical Education, August 1999

“Automobile Airbag-Related Injuries and Fatalities”, University of New Mexico Pathology Grand Rounds, April 1998

PUBLICATIONS/ABSTRACTS

Markey CN, Markey, MA, Hansma, PA, and Vogelsberg LR. “The Frequency of Cannabinoids in a Medical Examiner Population”. Abstract in the Proceedings of the American Academy of Forensic Sciences 71st Annual Scientific Meeting; page 893 – Poster Presentation, 2019.

Isa MI, Hefner JT, Markey MA. Application of the Stephan el al. Chest Radiograph Method to Decomposed Human Remains. *Journal of Forensic Sciences* 2017 Feb 7, doi: 10.1111/1556-4029.13432 [Epub ahead of print]

Shvartsbeyn M, Phillips GK, Markey MA, Morrison AL, DeJong JL, Castellani RJ. Cocaine-induced Intracerebral Hemorrhage in a Patient with Cerebral Amyloid Angiopathy. *Journal of Forensic Sciences* 2010 Sept; 55(5): 1389-1392.

Croft PR, Markey MA, deJong JL, and Elieff MP. "Histologic Diagnosis of Amniotic Fluid Embolism: Providing Context Through Immunohistochemistry". Abstract in the Proceedings of the American Academy of Forensic Sciences 62nd Annual Scientific Meeting; pages 313-314 – Platform Presentation, 2010.

Silver SA, deJong JL, Croft PR, Markey MA, and Elieff MP. "MAPS: How a Statewide Pharmaceutical Database Improves Death Investigation" Abstract in the Proceedings of the American Academy of Forensic Sciences 62nd Annual Scientific Meeting; pages 306-307 – Platform Presentation, 2010.

McClellan AL, Foran DR, Croft PR, deJong JL, Markey MA. "The Persistence of Foreign DNA Under Fingernails". Abstract in the Proceedings of the American Academy of Forensic Sciences 61st Annual Scientific Meeting; page 73 – Platform Presentation, 2009.

Castellani RJ, Grothous HF, Croft PR, Markey MA, deJong JL. "Sudden Death in Epilepsy: A Review of 51 Consecutive Cases". Abstract in the Proceedings of the American Academy of Forensic Sciences 61st Annual Scientific Meeting; page 238 – Platform Presentation, 2009.

Croft PR, deJong JL, Markey MA, Smith, M. "Levorphanol, Dextromethorphan, and a Case of (Probable) Mistaken Identity". Abstract in the Proceedings of the American Academy of Forensic Sciences 61st Annual Scientific Meeting; pages 264-265 – Platform Presentation, 2009.

deJong JL, Markey MA, Castellani RJ. "Stairway Related Deaths: An Analysis of Autopsy Findings of Individuals Found Dead at the Bottom of a Stairway". Abstract in the Proceedings of the American Academy of Forensic Sciences 60th Annual Scientific Meeting; page 299 – Platform Presentation, 2008.

Phillips DG, deJong JL, Markey MA, Castellani RJ. Cocaine Induced Intracerebral Hemorrhage in a Patient with Cerebral Amyloid Angiopathy: A New Risk Factor for Stroke in Cocaine Users. Abstract in the Proceedings of the American Academy of Forensic Sciences 60th Annual Scientific Meeting; page 259 – Platform Presentation, 2008.

Markey M and Zumwalt R. "Fatal Carbon Monoxide Poisoning Following Detonation of Explosives in an Underground Mine: A Case Report". Am J Forensic Med Pathol. 2001 Dec;22(4):387-90

Markey M, Hjelle B, and Becher, M. "Immunocytochemical Localization of Hantavirus in the CNS of Patients with Hantavirus Cardiopulmonary Syndrome" J Neuropathol Exp Neurol 2001 May; 60(5): 509

Kornfeld M, Markey, M, and Hart, B. "Cerebral Calcinosis and Systemic Lupus Erythematosus" J Neuropathol Exp Neurol 2001 May; 60(5): 528.

Markey M, Havlik D, Bollinger B, Zumwalt R, and Becher M. "Integrated Forensic and Academic Neuropathology in a Regionalized Autopsy Center" Abstract presented at the 2001 Annual Meeting of the National Association of Medical Examiners, Richmond VA, October 2001.

RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BOARD OF MEDICINE

M147295

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MICHAEL ALAN MARKEY

PERMANENT I.D. NO.
4301081276

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To become Board Certified, a physician must achieve expertise in a medical specialty or subspecialty that meets the profession-driven standards and requirements of one (or more) of the 24 ABMS certifying boards. To maintain Board Certification, the certifying boards may require physicians, depending on their date of initial certification, to participate in on-going programs of continuing learning and assessment (Maintenance of Certification) designed to help them remain current in an increasingly complex practice environment.

Michael Alan Markey (ABMSUID - 700845)

Viewed:7/12/2017 12:47:03 PM CST

DOB: 04/21/1970
Education: 1996 MD (Doctor of Medicine)
Address: **Private**
 East Lansing, MI 48823-2349 (United States)

Individual NPI ¹ : 1649673849**Show Active Medical License(s) ² :****Certification:****American Board of Pathology****Anatomic Pathology & Clinical Pathology - General****Status: Certified**

Status	Duration	Occurrence	Start Date - End Date
Active	Lifetime	Initial Certification	09/21/2001 -

Forensic Pathology - Subspecialty**Status: Certified**

Status	Duration	Occurrence	Start Date - End Date
Active	Lifetime	Initial Certification	11/04/2002 -

Learn more about Pathology MOC program¹ **NPI:** Not for Primary Source Verification (PSV).² **State of Licensure provided by Federation of State Medical Boards (FSMB):** Not for Primary Source Verification (PSV).

Notice: It is up to the user to determine if the physician record obtained from this service is that of the physician being sought.

David Moons, M.D., Ph.D.
Assistant Medical Examiner
Sparrow Forensic Pathology Services
1215 E. Michigan Ave Lansing, MI 48912
Phone: (517) 364-2561
Email: David.Moons@sparrow.org

Education and Training

Education

1997 BS, Biological Sciences, University of Illinois at Chicago, Chicago, IL
2007 MD, PhD, Medicine and Molecular Genetics, University of Illinois at Chicago, Chicago, IL

PostDoctoral Training

2007-2010 Residency, Anatomic Pathology, University of Michigan, Ann Arbor, MI
2010-2013 Fellowship, Gastrointestinal Pathology and Basic Research, University of Michigan, Ann Arbor, MI
2014-2015 Fellowship, Cytopathology, University of Michigan, Ann Arbor, MI
2015-2016 Fellowship, Forensic Pathology, University of Michigan, Ann Arbor, MI

Certification And Licensure

Certification

Anatomic Pathology - American Board of Pathology
Cytopathology - American Board of Pathology
Forensic Pathology – American Board of Pathology

Licensure

State of Michigan, Medical License

Academic, Administrative, Clinical, and Research Appointments

07/2010-06/2013 Clinical Lecturer in the Department of Pathology, University of Michigan, Ann Arbor, Michigan
07/2016-02/2019 Assistant Clinical Professor of Pathology, University of Michigan, Ann Arbor, Michigan
03/2019-Present Assistant Medical Examiner, Sparrow Forensic Pathology Services (Ingham County, Eaton County, Ionia County, Isabella County, and Shiawassee County)

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LANSING, MI 48909

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DAVID SCOTT MOONS

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SPARROW FORENSIC PATHOLOGY
1322 W MICHIGAN AVE
LANSING, MI 48912

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The American Board of Pathology

Herewith affirms that

David Moonz, M.D.

Has pursued an accepted course of graduate study and clinical work and has demonstrated proficiency to the satisfaction of the Board of Trustees.

Therefore, on this sixth day of September, 2017,

The American Board of Pathology

grants this certificate and declares the above physician to be a Diplomate and certified in

Pathology - Forensic



Continuing certification requires participation in Maintenance of Certification®.

James R. Stubbbs
President

Karen Kane
Vice President

St. E. ...
Secretary

St. E. ...
Treasurer

Will ap

Christopher Alan Hauch, MD

Diplomate, American Board of Pathology

2815 Steven Drive | Johnson City, TN 37604 | (989) 392-7191 | christopherhauch@gmail.com

EMPLOYMENT EXPERIENCE

Assistant Professor, Forensic Pathology and Neuropathology
William L. Jenkins Forensic Center
Quillen College of Medicine
East Tennessee State University, Johnson City, TN
April 2021 – Present

Forensic Pathologist
El Paso County Coroner's Office
Colorado Springs, CO
July 2020 – March 2021

POST-GRADUATE TRAINING

Forensic Pathology Fellowship
Southwestern Institute of Forensic Sciences
University of Texas Southwestern Medical Center, Dallas, TX
July 2019 – June 2020

Neuropathology Fellowship
University of Texas Southwestern Medical Center, Dallas, TX
July 2017 – June 2019

Anatomic Pathology Residency, *Chief Resident 2016 to 2017*
University of Texas Southwestern Medical Center, Dallas, TX
July 2014 – June 2017

EDUCATION

Doctor of Medicine, *Highest Honors*
Ross University School of Medicine, Portsmouth, Dominica
September 2010 – March 2014

Bachelor of Science, Biomedical Science, *Summa Cum Laude*
Western Michigan University, Kalamazoo, MI
September 2005 – April 2009

BOARD CERTIFICATIONS & MEDICAL LICENSURE

Board Certified in Forensic Pathology
American Board of Pathology
October 2020

Board Certified in Neuropathology
American Board of Pathology
August 2019

Board Certified in Anatomic Pathology
American Board of Pathology
August 2017

State of Tennessee Physician License
License No. 62636
February 2021 – Present

State of Michigan Physician License
License No. 4301111213

November 2016 – Present

United States Medical Licensing Examinations

USMLE Step 3 (239)

August 2015

USMLE Step 2CS (Pass)

May 2013

USMLE Step 2CK (262)

June 2013

USMLE Step 1 (261)

June 2012

Educational Commission for Foreign Medical Graduates Certification

May 2014

TEACHING & MENTORSHIP EXPERIENCE

Neuropathology Resident Rotation Director

July 2021 – Present

East Tennessee State University, Johnson City, TN

- Design and direct a one month rotation centered on gross and microscopic examinations of forensic neuropathology consultation cases, review of neuropathology study set slides, and discussion of assigned reading material.

William L. Jenkins Forensic Center Summer Internship Director

May 2021 – Present

East Tennessee State University, Johnson City, TN

- Advise and manage a temporary intern as they gain exposure and first-hand experience in forensic pathology.

Medical Student Research Mentor

May 2021 – July 2021

East Tennessee State University, Johnson City, TN

- Served as principal investigator on three different medical student research projects as part of the Quillen College of Medicine Summer Research Program.
- Topics of investigation include death statistics for eight counties in East Tennessee, incidence of neurodegenerative disease in those that die by suicide, and incidence of FTLT-DTP43 in the homeless.

Brain Cutting Sessions, ETSU Pathology Residents and Medical Students

April 2021 – Present

East Tennessee State University Johnson City, TN

- Hold weekly interactive sessions centered on the gross neuroanatomy and neuropathology of brains and/or spinal cords submitted for formal evaluation.
- Describe and discuss neuroanatomy and gross neuropathology.
- Correlate gross neuropathologic findings with cause and manner of death.

Pathology Resident Lecturer

April 2021 – Present

East Tennessee State University, Johnson City, TN

- Prepare and deliver Power Point-based lectures to the ETSU pathology residents as part of their regularly scheduled morning educational series.
- Lecture topics include craniocerebral trauma, infections and inflammatory conditions of the central and peripheral nervous system, demyelinating disorders, infarcts and other vascular disorders, tumors of the central nervous system, and pediatric neuropathology.

Visiting Professor, Department of Pathology

April 2018

Ross University School of Medicine, Knoxville, TN

- Prepared and delivered six and a half hours of Power Point-based lectures to pre-clerkship medical students.
- Outlined and explained fundamental concepts of histopathology, pathophysiology, and mechanisms of disease.
- Integrated basic pathologic principles into clinical medicine.
- Lectures covered pathology of pregnancy, infancy and childhood, and breast.

Gross Neuroanatomy and Neuropathology Instructor, Medical Students

October 2017, 2018

University of Texas Southwestern Medical Center, Dallas, TX

- Led interactive learning sessions centered on gross neuroanatomy and the principles of neuropathology and neuropathologic processes
- Identified and discussed the major anatomic structures of the cerebral cortex, cerebellum, brainstem, and characteristic gross features of neuropathologic processes.
- Correlated neuroanatomic structures with neurophysiologic function as well as basic neuropathologic processes.
- Covered topics including multiple sclerosis, leukodystrophy, primary and metastatic neoplasms, infarcts, intraparenchymal hemorrhage and fat emboli.

Pathology Small Group Facilitator, Pre-Clerkship Medical Students

August 2015 – December 2018

University of Texas Southwestern Medical Center, Dallas, TX

- Led interactive learning sessions incorporating basic histologic and pathologic principles into clinical medicine.
- Utilized virtual histology slides, gross images and detailed clinical vignettes for each teaching session.
- Administered multiple choice quizzes and provide explanations of the answers and quiz content.
- Covered topics including neoplasia, genetics, cellular injury, inflammation and repair, immunology, skin, bone, soft tissue, cardiovascular, respiratory, endocrine, gastrointestinal, genitourinary, renal, gynecology, breast, peripheral and central nervous system.

AWARDS & HONORS

Bruce D. Fallis Teaching Award, *May 2019*

University of Texas Southwestern Medical Center, Dallas, TX

- Annual award given to those that exemplify Dr. Bruce D. Fallis' dedication to teaching medical students and pathology residents.

SCHOLARLY ACTIVITY

Peer Reviewer, Cureus Journal of Medical Science. Reviewed one article in 2022.

Andrew Hicks and **Chris Hauch**. Drug-Related Death Trends in and around East TN. Quillen College of Medicine Summer Research Symposium poster presentation. East Tennessee State University. September 2021.

Youssef B; **Hauch CA**, Contusion hematomas in cerebral hemispheres, Global Library of Scientific Images, <https://globallibraryofscientificimages.com/single/2021/05/contusion-hematomas-in-cerebral-hemispheres>. May 2021.

Travis Danielsen, MD, **Christopher Hauch, MD**, Leon Kelly, MD, Charles L. White, III, MD. Chronic traumatic encephalopathy (CTE)-type neuropathology in a young victim of domestic violence. Letter to the Editor. Journal of Neuropathology and Experimental Neurology, Volume 80, Issue 6, June 2021, Pages 624-627.

Travis Danielsen, MD, **Christopher Hauch, MD**, Leon Kelly, MD, Charles L. White, III, MD. Chronic traumatic encephalopathy (CTE)-type neuropathology in a young victim of domestic violence: A case report. American Association of Neuropathologists virtual poster presentation. June 2020.

Elena V. Daoud, MD, PhD, **Christopher Hauch, MD**, Travis Danielsen, MD, Rati Chkheidze, MD, Paul Yell, MD, Bret Evers, MD, PhD, Dennis K. Burns, MD, Jack Raisanen, MD, Chan Foong, MS, Ping Shang, Jeffrey J. Barnard, MD, and Charles L. White III, MD. Characterization of LATE in Subjects with Neurodegenerative Disorders in a Forensic Autopsy Population. American Association of Neuropathologists virtual poster presentation. June 2020.

Hauch C, Ogden E. A Fatal Case of Occupational Hydrogen Sulfide Exposure and Sewage Aspiration: Sewage Happens. National Association of Medical Examiners poster presentation. October 2019.

Hauch C, JJ Barnard, Danielsen T, Yell P, Chkheidze R, Evers B, Burns DK, Raisanen J, White CL III. The presence of comorbid neurodegenerative disease in the forensic setting: The rule rather than the exception? National Association of Medical Examiners poster presentation. October 2019.

Hauch C, Danielsen T, Barnard JJ, Quinton RA, Evers B, Burns DK, Raisanen J, White CL III. Frequency of neurodegenerative disease pathology in elderly subjects who die by suicide. American Association of Neuropathologists poster presentation. June 2019.

PROFESSIONAL ACTIVITIES & ORGANIZATIONS

American Association of Neuropathologists (AANP)
Regular Member

National Association of Medical Examiners (NAME)
Fellow Member

National Association of Medical Examiners (NAME) Education, Program, and Publications – Continuing Certification Committee Member	2022
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National Association of Medical Examiners (NAME) Education, Program, and Publications – Education/Program Committee Member	2022
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National Association of Medical Examiners (NAME) Education, Program, and Publications – Forensic Fellow In-Service Exam Committee Member	2022
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National Association of Medical Examiners (NAME) Education, Program, and Publications – Forensic Pathology Fellowship Training	2022
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DEWITT, MI 48820

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CHRISTOPHER ALAN HAUCH				
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New York, New York

James R. Stubbs, M.D.
Rochester, Minnesota

ABPath ID: 116235

November 2, 2020

Dr. Christopher Alan Hauch
370 Silver Spring Circle
Colorado Springs, CO 80919

Dear Dr. Hauch:

Congratulations! The Trustees of the American Board of Pathology are pleased to inform you that you have been successful in the 2020 Forensic Pathology Subspecialty certification examination. Your certification is effective October 13, 2020.

Certification by the ABPath is a hallmark of public and professional trust, indicating a diplomate's dedication to providing the highest standard of care. To maintain your certification, participation in the Continuing Certification Program, including ABPath CertLink®, is required. You have been automatically enrolled in both programs if you were not already participating.

You will receive your engraved certificate in the coming months. Your Subspecialty Certification credential will be publicly displayed on your American Board of Medical Specialties Board Certification Credentials Profile.

Again, congratulations and we wish you continued success throughout your career.

Sincerely,

Rebecca L. Johnson, M.D.
Chief Executive Officer

Improving the health of the people in our communities by
 providing quality, compassionate care to everyone, every time

Pricing Proposal

VENDOR NAME: **Edward W. Sparrow Hospital Association**

NOTE: Livingston County shall retain billing for cremation permits.

	Year 1	Year 2	Year 3
Administration fee to include:			
1. Review and authorization of cremation permits;			
2. Review of deaths reported not requiring autopsies and death certificates produced and delivered to funeral director within limits required by law;			
3. Administration of the office and records including all standard office supplies and equipment;	\$25,000	\$25,500	\$26,010
4. Attendance at Child Death Review Team meetings, at court proceedings, and meetings/communications with families and other interested parties;			
5. All remaining miscellaneous administrative services.			
MDILog (Online record management system)	\$6,071	\$6,120	\$6,242
Complete autopsies to include:			
• Toxicology (including reference lab toxicology),			
• Forensic anthropology consultations,			
• Forensic entomology consultations,	\$2,600/ autopsy	\$2,652/ autopsy	\$2,704/ autopsy
• Forensic dentistry consultations,			
• Neuropathology consultations,			
• Cardiovascular pathology consultations			
Limited & External autopsies to include:			
• Toxicology (including reference lab toxicology),			
• Forensic anthropology consultations,			
• Forensic entomology consultations,	\$600/ autopsy	\$612/ autopsy	\$624/ autopsy
• Forensic dentistry consultations,			
• Neuropathology consultations,			
• Cardiovascular pathology consultations			
In Year 1, the number of autopsies will be equal to the number of autopsies performed by University of Michigan on behalf of the Livingston County in the 2021 calendar year.			
In Year 2, the number of autopsies will be equal to the average of the number of autopsies performed in the 2021 and 2022 calendar years.			
In Year 3 the number of autopsies will be equal to the average of the number of autopsies performed in the 2022 and 2023 calendar years.			
Body Transport Services, if needed, will be at the actual cost determined by a subcontractor.			

Sample Pricing Proposal (Assuming 160 Complete Autopsies in Calendar Year 2021)

	Year 1	Year 2	Year 3
Complete Autopsies (Assuming 160 in Calendar Year 2021)	160	Average of 160 & # of autopsies done in 2022	Average of # of autopsies done in 2021 & 2022
Limited & External Autopsies (Assuming 20 in Calendar Year 2021)	20		
Administration fee to include: 1. Review and authorization of cremation permits; 2. Review of deaths reported not requiring autopsies and death certificates produced and delivered to funeral director within limits required by law; 3. Administration of the office and records including all standard office supplies and equipment; 4. Attendance at Child Death Review Team meetings, at court proceedings, and meetings/communications with families and other interested parties; 5. All remaining miscellaneous administrative services.	\$25,000	\$25,500	\$26,010
MDILog (Online record management system)	\$6,071	\$6,120	\$6,242
Complete Autopsies	\$416,000	\$2,652/ autopsy	\$2,704/ autopsy
Limited & External Autopsies	\$12,000	\$612/ autopsy	\$624/ autopsy
Annual Total	\$459,071		