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An overview of methods used for estimation of time since death

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Australian Journal of Forensic Sciences, 2011, 43, 275-285.

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#	Paper	IF	Citations
42	Chemometric estimation of post-mortem interval based on Na ⁺ and K ⁺ concentrations from human vitreous humour by linear least squares and artificial neural networks modelling. <i>Australian Journal of Forensic Sciences</i> , 2014 , 46, 166-179	1.1	11
41	Law of cooling, heat conduction and Stefan-Boltzmann radiation laws fitted to experimental data for bones irradiated by CO ₂ laser. <i>Biomedical Optics Express</i> , 2014 , 5, 701-12	3.5	13
40	Estimation of post-mortem interval: A comparison between cerebrospinal fluid and vitreous humour chemistry. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2015 , 36, 144-8	1.7	35
39	Promising blood-derived biomarkers for estimation of the postmortem interval. <i>Toxicology Research</i> , 2015 , 4, 1443-1452	2.6	18
38	Time of death estimation from temperature readings only: A Laplace transform approach. <i>Applied Mathematics Letters</i> , 2015 , 39, 47-52	3.5	7
37	Methods for determining time of death. <i>Forensic Science, Medicine, and Pathology</i> , 2016 , 12, 451-485	1.5	84
36	Smart platform for the time since death determination from vitreous humor cystine. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 115-121	11.8	14
35	Postmortem muscle protein degradation in humans as a tool for PMI delimitation. <i>International Journal of Legal Medicine</i> , 2016 , 130, 1547-1555	3.1	47
34	An experimental evaluation of electrical skin conductivity changes in postmortem interval and its assessment for time of death estimation. <i>Computers in Biology and Medicine</i> , 2016 , 69, 92-6	7	5
33	Are animal models predictive for human postmortem muscle protein degradation?. <i>International Journal of Legal Medicine</i> , 2017 , 131, 1615-1621	3.1	17
32	First application of a protein-based approach for time since death estimation. <i>International Journal of Legal Medicine</i> , 2017 , 131, 479-483	3.1	17
31	Comparison of DNA yield and STR success rates from different tissues in embalmed bodies. <i>International Journal of Legal Medicine</i> , 2017 , 131, 61-66	3.1	11
30	Postmortem succession of gut microbial communities in deceased human subjects. <i>PeerJ</i> , 2017 , 5, e34373	3.1	58
29	Coupling of Rigor Mortis and Intestinal Necrosis during <i>C. elegans</i> Organismal Death. <i>Cell Reports</i> , 2018 , 22, 2730-2741	10.6	15
28	Morphological, biochemical, and histopathological postmortem ocular indices following subchronic exposure to cadmium and/or lead in a rabbit model. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 6619-6632	5.1	8
27	Monitoring of post-mortem changes of saliva N-glycosylation by nano LC/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 45-56	4.4	7
26	Use of flow cytometry in forensic medicine: Current scenario and future prospects. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2018 , 60, 42-44	1.7	4

25	Attenuated total reflectance Fourier transform infrared (ATR-FTIR) spectral prediction of postmortem interval from vitreous humor samples. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 7611-7620	4.4	7
24	Skeletal weathering in central Florida: A preliminary approach for developing a scoring protocol to estimate time since death. <i>Forensic Science International</i> , 2018 , 290, 85-93	2.6	2
23	The Method Debate. 2018 , 61-86		0
22	Na/K-ATPase, acetylcholinesterase and glutathione S-transferase activities as new markers of postmortem interval in Swiss mice. <i>Legal Medicine</i> , 2019 , 36, 67-72	1.9	7
21	Postmortem Protein Degradation as a Tool to Estimate the PMI: A Systematic Review. <i>Diagnostics</i> , 2020 , 10,	3.8	8
20	An Evaluation of Differentially Spliced Genes as Markers of Sex for Forensic Entomology,. <i>Journal of Forensic Sciences</i> , 2020 , 65, 1579-1587	1.8	1
19	Feasibility Study of MRI Muscles Molecular Imaging in Evaluation of Early Post-Mortem Interval. <i>Scientific Reports</i> , 2020 , 10, 392	4.9	2
18	New contributions to the relationship between sequential changes of ATP-related metabolites and post-mortem interval in rats. <i>Legal Medicine</i> , 2021 , 48, 101809	1.9	0
17	Analytical Strategy for MS-Based Thanatochemistry to Estimate Postmortem Interval. <i>Journal of Proteome Research</i> , 2021 , 20, 2607-2617	5.6	1
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- 1 Analysis of Changes in Electrolytes Level in Serum After Death and Its Correlation With Postmortem Interval. **2023**, ○