J Ciaran Hutchinson

List of Publications by Year
in descending order

48	1,066	394286	454834
papers	citations	19 h-index	30 g-index

50	50	50	1072
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ligamentum arteriosum calcification on paediatric postmortem computed tomography. Pediatric Radiology, 2021, 51, 385-391.	1.1	2
2	Postmortem microfocus computed tomography for noninvasive autopsies: experience in >250 human fetuses. American Journal of Obstetrics and Gynecology, 2021, 224, 103.e1-103.e15.	0.7	25
3	Human fetal whole-body postmortem microfocus computed tomographic imaging. Nature Protocols, 2021, 16, 2594-2614.	5.5	15
4	Structure-function relationships in the feto-placental circulation from in silico interpretation of micro-CT vascular structures. Journal of Theoretical Biology, 2021, 517, 110630.	0.8	14
5	A pragmatic evidence-based approach to post-mortem perinatal imaging. Insights Into Imaging, 2021, 12, 101.	1.6	7
6	Micro-CT Imaging of Pediatric Thyroglossal Duct Cysts: A Prospective Case Series. Frontiers in Pediatrics, 2021, 9, 746010.	0.9	1
7	Consensus Definition of Fetal Growth Restriction in Intrauterine Fetal Death: A Delphi Procedure. Archives of Pathology and Laboratory Medicine, 2021, 145, 428-436.	1.2	17
8	Latest developments in postâ€mortem foetal imaging. Prenatal Diagnosis, 2020, 40, 28-37.	1.1	25
9	Feasibility of INTACT (INcisionless TArgeted Core Tissue) biopsy procedure for perinatal autopsy. Ultrasound in Obstetrics and Gynecology, 2020, 55, 667-675.	0.9	12
10	Photoacoustic imaging of the human placental vasculature. Journal of Biophotonics, 2020, 13, e201900167.	1.1	36
11	Micro-computed tomography (micro-CT) for the assessment of myocardial disarray, fibrosis and ventricular mass in a feline model of hypertrophic cardiomyopathy. Scientific Reports, 2020, 10, 20169.	1.6	13
12	Reconstitution of a functional human thymus by postnatal stromal progenitor cells and natural whole-organ scaffolds. Nature Communications, 2020, 11, 6372.	5.8	42
13	Investigation of optimal sample preparation conditions with potassium triiodide and optimal imaging settings for microfocus computed tomography of excised cat hearts. American Journal of Veterinary Research, 2020, 81, 326-333.	0.3	9
14	â€œThe communication and support from the health professional is incredibly importantâ€: A qualitative study exploring the processes and practices that support parental decisionâ€making about postmortem examination. Prenatal Diagnosis, 2019, 39, 1242-1253.	1.1	5
15	Micro-CT and histological investigation of the spatial pattern of feto-placental vascular density. Placenta, 2019, 88, 36-43.	0.7	35
16	Feasibility of Postmortem Imaging Assessment of Brain: Liver Volume Ratios with Pathological Validation. Fetal Diagnosis and Therapy, 2019, 46, 360-367.	0.6	2
17	Availability of less invasive prenatal, perinatal and paediatric autopsy will improve uptake rates: a mixedâ€methods study with bereaved parents. BJOG: an International Journal of Obstetrics and Gynaecology, 2019, 126, 745-753.	1.1	25
18	Minimally invasive perinatal and pediatric autopsy with laparoscopically assisted tissue sampling: feasibility and experience of the MinImAL procedure. Ultrasound in Obstetrics and Gynecology, 2019, 54, 661-669.	0.9	20

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19	Minimally invasive autopsy for fetuses and children based on a combination of post-mortem MRI and endoscopic examination: a feasibility study. Health Technology Assessment, 2019, 23, 1-104.	1.3	16
20	Postmortem microfocus computed tomography for early gestation fetuses: a validation study against conventional autopsy. American Journal of Obstetrics and Gynecology, 2018, 218, 445.e1-445.e12.	0.7	39
21	Health professionalsâ€™ and coronersâ€™ views on less invasive perinatal and paediatric autopsy: a qualitative study. Archives of Disease in Childhood, 2018, 103, 572-578.	1.0	32
22	British Neuropathological Society and International Society of Forensic Radiology and Imaging expert consensus statement for post mortem neurological imaging. Neuropathology and Applied Neurobiology, 2018, 44, 663-672.	1.8	7
23	3D printing from microfocus computed tomography (micro-CT) in human specimens: education and future implications. British Journal of Radiology, 2018, 91, 20180306.	1.0	26
24	Preclinical transgenic and patientâ€derived xenograft models recapitulate the radiological features of human adamantinomatous craniopharyngioma. Brain Pathology, 2018, 28, 475-483.	2.1	14
25	Chest radiographs versus CT for the detection of rib fractures in children (DRIFT): a diagnostic accuracy observational study. The Lancet Child and Adolescent Health, 2018, 2, 802-811.	2.7	38
26	â€œWe might get a lot more families who will agreeâ€: Muslim and Jewish perspectives on less invasive perinatal and paediatric autopsy. PLoS ONE, 2018, 13, e0202023.	1.1	38
27	The use of whole body diffusion-weighted post-mortem magnetic resonance imaging in timing of perinatal deaths. International Journal of Legal Medicine, 2018, 132, 1735-1741.	1.2	11
28	Novel usage of microfocus computed tomography (microâ€<scp>CT</scp>) for visualisation of human embryonic developmentâ€”<scp>I</scp>mplications for future nonâ€invasive postâ€mortem investigation. Prenatal Diagnosis, 2018, 38, 538-542.	1.1	12
29	Development and Autopsy Assessment of the Fetal Head and Face. , 2017, , 143-156.		0
30	Multiple Cardiac Rhabdomyomas Visualised Using Micro-CT in a Case of Tuberous Sclerosis. Fetal Diagnosis and Therapy, 2017, 41, 157-160.	0.6	7
31	Early clinical applications for imaging at microscopic detail: microfocus computed tomography (micro-CT). British Journal of Radiology, 2017, 90, 20170113.	1.0	48
32	Current issues in postmortem imaging of perinatal and forensic childhood deaths. Forensic Science, Medicine, and Pathology, 2017, 13, 58-66.	0.6	34
33	Learning effect on perinatal post-mortem magnetic resonance imaging reporting: single reporter diagnostic accuracy of 200 cases. Prenatal Diagnosis, 2017, 37, 566-574.	1.1	30
34	Imaging the human placental microcirculation with micro-focus computed tomography: Optimisation of tissue preparation and image acquisition. Placenta, 2017, 60, 36-39.	0.7	17
35	Post-mortem magnetic resonance (PMMR) imaging of the brain in fetuses and children with histopathological correlation. Clinical Radiology, 2017, 72, 1025-1037.	0.5	12
36	Cranial bone structure in children with sagittal craniosynostosis: Relationship with surgical outcomes. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2017, 70, 1589-1597.	0.5	12

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37	The Role of Cross-Sectional Imaging in the Investigation of Childhood Deaths. , 2017, , 1-21.		1
38	Clinical utilityâ€‰‰of postmortem microcomputed tomographyâ€‰‰of the fetal heart: diagnostic imaging vs macroscopic dissection. Ultrasound in Obstetrics and Gynecology, 2016, 47, 58-64.	0.9	57
39	Virtual pathological examination of the human fetal kidney using microâ€CT. Ultrasound in Obstetrics and Gynecology, 2016, 48, 663-665.	0.9	17
40	Clinical utility of post-mortem micro-CT of the fetal heart: an exploratory study of diagnostic imaging versus macroscopic dissection. Lancet, The, 2016, 387, S54.	6.3	0
41	Stillbirth and intrauterine fetal death: factors affecting determination of cause of death at autopsy. Ultrasound in Obstetrics and Gynecology, 2016, 48, 566-573.	0.9	58
42	Organ weights and ratios for postmortem identification of fetal growth restriction: utility and confounding factors. Ultrasound in Obstetrics and Gynecology, 2016, 48, 585-590.	0.9	24
43	Stillbirth and intrauterine fetal death: role of routine histopathological placental findings to determine cause of death. Ultrasound in Obstetrics and Gynecology, 2016, 48, 579-584.	0.9	84
44	Stillbirth and intrauterine fetal death: contemporary demographic features of >1000 cases from an urban population. Ultrasound in Obstetrics and Gynecology, 2016, 48, 591-595.	0.9	15
45	Stillbirth and intrauterine fetal death: role of routine histological organ sampling to determine cause of death. Ultrasound in Obstetrics and Gynecology, 2016, 48, 596-601.	0.9	18
46	Effects of intrauterine retention and postmortem interval on body weight following intrauterine death: implications for assessment of fetal growth restriction at autopsy. Ultrasound in Obstetrics and Gynecology, 2016, 48, 574-578.	0.9	40
47	Postmortem research: innovations and future directions for the perinatal and paediatric autopsy. Archives of Disease in Childhood: Education and Practice Edition, 2016, 101, 54-56.	0.3	23
48	Pleural fluid accumulation detectable on paediatric post-mortem imaging: a possible marker of interval since death?. International Journal of Legal Medicine, 2016, 130, 1003-1010.	1.2	18