

Name of publication with hyperlink	Year	Cases contributed
Foreign Bodies in Small Arteries after Use of an Infusion Microcatheter	1997	4
Nonhealing Wound Resulting From a Foreign-Body Reaction to a Radial Arterial Sheath	2003	1
Sterile inflammation after transradial catheterization using a hydrophilic sheath	2005	1
Complications of Endovascular Polymers Associated With Vascular Introducer Sheaths and Metallic Coils in 3 Patients, With Literature Review	2008	3
Sterile abscess formation as a complication of hydrophilic radial artery cannulation	2008	1
Embolization of Hydrophilic Catheter Coating to the Lungs	2009	1
Intravascular polymer material after coil embolization of a giant cerebral aneurysm	2009	1
Steroid-responsive sterile inflammation after transradial cardiac catheterisation using a sheath with hydrophilic coating*	2009	1
Hydrophilic polymer emboli: an under-recognized iatrogenic cause of ischemia and infarct	2010	8
Autopsy demonstration of intramyocardial polymer gel emboli associated with a giant-cell reaction following cardiac catheterization: a case report	2012	1
Embolization of hydrophilic coating material to small intracardiac arteries after multiple percutaneous transluminal angioplasty procedures	2012	1
Polymer Embolization From Minimally Invasive Interventions	2013	3
Histopathological assessment of fatal ipsilateral intraparenchymal hemorrhages after the treatment of supraclinoid aneurysms with the Pipeline Embolization Device	2014	3
Hydrophilic polymer embolism induced acute transcatheter aortic valve thrombosis: a novel complication	2014	1
Myocardial hydrophilic polymer emboli following cardiac catheterization: a case report and literature review	2014	1
Hydrophilic Polymer Embolization: An Emerging Cause of Livedo Reticularis	2014	1
Hydrophilic polymer microemboli in a patient with a chronic cutaneous ulcer: a case report	2014	1
Hemorrhagic Panniculitis Caused by Delayed Microemboli From Intravascular Device	2014	1
Cerebral foreign body reaction after carotid aneurysm stenting	2015	1
Fatal Case of Hydrophilic Polymer Emboli	2015	1
Acute Hydrophilic-Polymer Nephropathy and Acute Renal Failure	2015	1
Cutaneous microemboli from hydrophilic polymer after endovascular procedures	2015	8
Distal Embolization of Hydrophilic-Coating Material From Coronary Guidewires After Percutaneous Coronary Interventions	2015	4
Hydrophilic polymer embolism and associated vasculopathy of the lung: prevalence in a retrospective autopsy study	2015	18
Intracoronary Embolization of the Coating Polymer on a Cardiovascular Device	2015	1
Hydrophilic polymer embolization: another differential diagnosis of iatrogenic leg embolization after transcatheter aortic valve replacement	2016	1
Hydrophilic polymer microembolism with cutaneous involvement observed incidentally in a patient undergoing endovascular procedures: a case report	2016	1
Cerebral granulomatous inflammation secondary till HPE following thromboectomy*	2017	1
HP vasculopathy with coinciding pseudoxanthoma elasticum like changes in an amputated toe	2017	1
Fatal Sickness Triggered by Massive Foreign Particle Embolism: A Case Report of Unrecognized Indwelling Venous Catheter Drug Abuse in Sickle Cell Disease	2018	1
Cutaneous hydrophilic polymer embolism accompanied by acute renal failure	2018	1
Collapsing Glomerulopathy Associated With Hydrophilic Polymer Emboli	2018	1
Left cerebral hemisphere hydrophilic polymer embolism associated with endovascular WEB treatment of a ruptured aneurysm of the anterior cerebral artery	2018	1
Hydrophilic Polymer Embolism in the Lung as an Adverse Event	2018	1
Hydrophilic polymer embolization after thoracic endovascular aortic repair	2019	2
Cutaneous hydrophilic polymer emboli following thoracic endovascular aortic repair	2019	1
Ischemic Toe Ulceration Due to Foreign Body Embolus From Hydrophilic Polymer-Coated Intravascular Device	2019	1
Cerebral foreign body reaction due to hydrophilic polymer embolization following aneurysm treatment by pipeline flow diversion device*	2019	1
First case report of the coexistence of hydrophilic polymer embolism and cholesterol crystal embolism associated with an endovascular procedure	2020	1
Images in Vascular Medicine: Hydrophilic polymer emboli after percutaneous coronary intervention due to severe tortuosity and a calcified nodule of the aortic access route	2021	1
Foreign body reaction toward hydrophilic polymer at the site of endovascular procedure: A report of two cases	2021	2
Hydrophilic Polymer Embolization Following Coiling of Intracranial Aneurysm*	2021	1
Cutaneous Polymer-Coating Embolism After Endovascular Procedures: Report of Two Cases and a Literature Review	2021	2
Medical treatment of polymeric cerebral granulomatous reactions following endovascular procedures*	2021	3
Late-onset Cutaneous Hydrophilic Polymer Embolism: A Case Occurring Two Years after Endovascular Procedures	2021	1
The diagnostic utility of Elastica van Gieson stain in hydrophilic polymer embolism	2021	1
Hydrophilic polymer embolism identified in brain tumor specimens following Wada testing: A report of 2 cases	2021	2
Hydrophilic polymer embolization following flow diversion of cerebral aneurysms	2021	1
Embolized Hydrophilic Coating Polymers Found in Left Ventricular Assist Device Apical Core Specimen	2022	1
Cutaneous hydrophilic polymer emboli following endovascular repair of an abdominal aortic aneurysm: a case and review of literature	2022	1
Livedo racemosa associated with central venous catheter use in a newborn	2022	1
Polymer Emboli Complicating Transcatheter Aortic Valve Implantation	2022	1
Hydrophilic polymer gel embolus in a kidney transplant biopsy	2022	1
Fragments of hydrophilic polymer coating as an embolic material – a rare complication and potential cause of death	2023	1
A Rare Case of Hydrophilic Polymer Embolization After Transcatheter Aortic Valve Replacement*	2023	1
Cutaneous Hydrophilic Polymer Embolism in a Patient with Acute Kidney Injury Post Endovascular Procedure	2023	1
Cerebral foreign body granulomas after mechanical thrombectomy: Two case reports and a review of the literature*	2023	2
Hydrophilic polymer embolization after intravascular lithotripsy	2023	1
Delayed cerebral complications associated with endovascular catheter coil embolization for pulmonary venous shunts mimicking cerebral inflammatory diseases*	2024	1
Cutaneous Hydrophilic Polymer Embolism: An Important and Overlooked Clinical Entity*	2024	2

Supplementary Table S1 – included reports with year published and “case contribution” per study. Hyperlink to PubMed can be obtained through hovering on the specific report. Asterisk (*) denotes report where steroid therapy was trialled

SECTION	ITEM	PRISMA- CHECKLIST ITEM	REPORTED ON PAGE #
TITLE			
Title	1	Identify the report as a scoping review.	1
ABSTRACT			
Structured summary	2	Provide a structured summary that includes (as applicable): background, objectives, eligibility criteria, sources of evidence, charting methods, results, and conclusions that relate to the review questions and objectives.	1
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of what is already known. Explain why the review questions/objectives lend themselves to a scoping review approach.	2-3
Objectives	4	Provide an explicit statement of the questions and objectives being addressed with reference to their key elements (e.g., population or participants, concepts, and context) or other relevant key elements used to conceptualize the review questions and/or objectives.	3
METHODS			
Protocol and registration	5	Indicate whether a review protocol exists; state if and where it can be accessed (e.g., a Web address); and if available, provide registration information, including the registration number.	3
Eligibility criteria	6	Specify characteristics of the sources of evidence used as eligibility criteria (e.g., years considered, language, and publication status), and provide a rationale.	3
Information sources*	7	Describe all information sources in the search (e.g., databases with dates of coverage and contact with authors to identify additional sources), as well as the date the most recent search was executed.	3
Search	8	Present the full electronic search strategy for at least 1 database, including any limits used, such that it could be repeated.	3
Selection of sources of evidence†	9	State the process for selecting sources of evidence (i.e., screening and eligibility) included in the scoping review.	3
Data charting process‡	10	Describe the methods of charting data from the included sources of evidence (e.g., calibrated forms or forms that have been tested by the team before their use, and whether data charting was done independently or in duplicate) and any processes for obtaining and confirming data from investigators.	2-3
Data items	11	List and define all variables for which data were sought and any assumptions and simplifications made.	2-3
Critical appraisal of individual sources of evidence§	12	If done, provide a rationale for conducting a critical appraisal of included sources of evidence; describe the methods used and how this information was used in any data synthesis (if appropriate).	N.A
Synthesis of results	13	Describe the methods of handling and summarizing the data that were charted.	3
RESULTS			
Selection of sources of evidence	14	Give numbers of sources of evidence screened, assessed for eligibility, and included in the review, with reasons for exclusions at each stage, ideally using a flow diagram.	3, appendix
Characteristics of sources of evidence	15	For each source of evidence, present characteristics for which data were charted and provide the citations.	3-4, appendix
Critical appraisal within sources of evidence	16	If done, present data on critical appraisal of included sources of evidence (see item 12).	N.A
Results of individual sources of evidence	17	For each included source of evidence, present the relevant data that were charted that relate to the review questions and objectives.	3-5
Synthesis of results	18	Summarize and/or present the charting results as they relate to the review questions and objectives.	3-5
DISCUSSION			
Summary of evidence	19	Summarize the main results (including an overview of concepts, themes, and types of evidence available), link to the review	5-6

		questions and objectives, and consider the relevance to key groups.	
Limitations	20	Discuss the limitations of the scoping review process.	6
Conclusions	21	Provide a general interpretation of the results with respect to the review questions and objectives, as well as potential implications and/or next steps.	6-7
FUNDING			
Funding	22	Describe sources of funding for the included sources of evidence, as well as sources of funding for the scoping review. Describe the role of the funders of the scoping review.	N.A

Supplementary Table S2 – PRISMA checklist adapted from “Tricco AC, Lillie E, Zarin W, O'Brien KK, Colquhoun H, Levac D, et al. PRISMA Extension for Scoping Reviews (PRISMA ScR): Checklist and Explanation. Ann Intern Med. 2018;169:467–473. doi: 10.7326/M18-0850.”