Therapeutics & Vaccines

An Injectable And In-Situ Crosslinking Hydrogel For Endovascular Embolization

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The Invention

The present technology from UW Madison innovators provides a composition comprising a mixture of a source of calcium ions, alginate conjugated to an acrylate monomer (ALG-A), carboxymethylcellulose conjugated to an acrylate monomer (CMC-A) and water, wherein the mixture is a shear-thinning gel. The compositions may further include a polythiol agent. Such compositions are injectable due to their shear-thinning properties, yet stay in place, undergo in situ crosslinking, and provide safe, simple and efficacious endovascular embolization. Methods of making and using such compositions are also provided.

Additional Information

For More Information About the Inventors

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Tech Fields

- Therapeutics & Vaccines : Cardiovascular

For current licensing status, please contact Rafael Diaz at rdiaz@warf.org or 608-960-9847