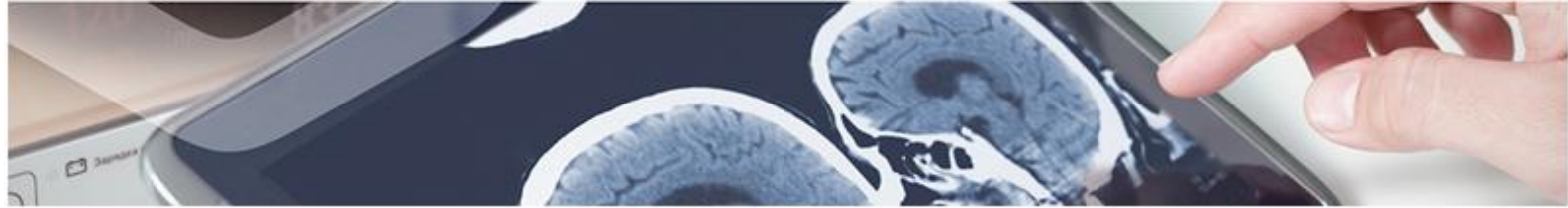




Therapies

Platelet-derived growth factor for treating vascular calcification

A research group at the Hospital Reina Sofia, in Cordoba, has identified the use of platelet-derived growth factor (PDGF) to treat the calcification of blood vessels, especially the treatment of vascular calcification associated with treatment with calcitriol.



Description

Patients undergoing haemodialysis present with atherosclerosis and arteriosclerosis. These vascular diseases begin to develop in the early stages of renal disease, and as this progresses, there is also a progressive worsening of cardiovascular disease.

At present, it is known that vascular calcification is an active process regulated at the cellular level and by certain blood components, such as certain proteins and other pathogenic factors.

There are, therefore, proteins that regulate vascular calcification or inhibit it. It is clear that in renal disease patients, inhibitory mechanisms are overridden by other mechanisms that promote vascular calcification, resulting in an imbalance.

Until now, vascular calcification has been deemed to be an irreversible process, and efforts to manage the condition have been directed towards slowing its progression. Given that over the last decade, several epidemiological studies have identified vascular calcification as being an independent predictor of cardiovascular mortality in both the general population and in uremic patients, there is a need for treatments that are appropriate to these cohorts, aimed at disease regression.



Advantages

This technology seeks to enable the use of PDGF in the development of a product for preventing or treating vascular calcification.



Intellectual Property

This technology is protected by International Patent Application PCT.



Aims

We are looking for a partner interested in a license and/or a collaboration agreement to further develop and exploit this innovative technology.



Classification

Area: Therapy

Pathology: Cardiovascular and circulatory system.