

Title (en)
IMPLANT AND AGENT DELIVERY DEVICE

Title (de)
VORRICHTUNG ZUR FÜHRUNG EINER PROTHESE UND VERABREICHUNG EINES WIRKSTOFFS

Title (fr)
DISPOSITIF DE GUIDAGE D'IMPLANT ET D'ADMINISTRATION D'UN AGENT

Publication
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Application
EP 00953820 A 20000803

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Abstract (en)
[origin: WO0110350A1] The present invention provides a system (178) for delivering a therapeutic agent in combination with an implanted device (2) to maximize a therapeutic benefit offered by each. Preferably, the therapeutic agent is contained within a solid matrix form such as a pellet or gel to facilitate its handling, and to regulate its rate of dissipation into the tissue after delivery. The implant device (2) is specially configured to receive retain the matrix but permit blood to interact with the matrix so that the agent can be released to the blood in, around the device, and the surrounding tissue. A delivery system (178) comprises an implant delivery device having an obturator (180) capable of piercing the tissue and an agent matrix delivery device (210) to place a matrix form, such as a pellet, into the interior of the implant (2) after it has been implanted. Preferably, the implant delivery device (178) and the matrix delivery device (210) are contained in one apparatus to facilitate delivery of the pellet into the embedded implant. The present invention is useful for treating tissue in any area of the body, especially ischemic tissue experiencing reduced blood flow. The present devices and methods are especially useful for treatment of ischemia of the myocardium. In treatment of the myocardium, the present implant device and matrix combination may be delivered surgically through the epicardium of the heart.

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Citation (search report)
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