How does arthrosis begin?

In the human body all joint surfaces are mantled with a smooth cartilage layer. This cartilage layer cares for movability and absorbs crushes. In advanced age, by wrong exposure or by injuries the joint cartilage can be damaged – Arthrosis takes its course!

At an advanced stage – consequently – bone „galls“ on bone! Reduction of motion and aches and pains are “escorting“ the patients concerned at every turn. (fig.1)

Cartilage Repair-Pins: Joint maintaining and gentle

The actual medical treatment of arthrosis is focused on joint maintaining methods – like the application of Cartilage Repair-Pins. This uncomplicated and effective method in order to recreate destroyed cartilage in the knee-joint, is employed in Great Britain and Sweden extremely successful since more than twenty years!

The application of cartilage repair pins usually is carried out by minimal invasive surgery (MIS) within the scope of Arthroskopy. Within a few weeks the aches and pains caused by arthrosis get reduced significantly!

How does the Cartilage Repair Pin work?

The procedure utilizes the self-healing effect of the human body! In order to activate this power, high-tech Carbon Pins are inserted into tiny boreholes within the destroyed cartilage area (fig. 2)

By the borehole ancestral cells are made accessible in the depth of the bone. These cells do have the capability of developing into new cartilage cells. The cartilage repair-pins serve as a „scaffold“ and direct the cells towards the cartilage deficiency (fig. 3)

As soon as the cells achieve the damaged area, new cartilage tissue starts to develop naturally in the body! This tissue gets adhered closely with the surrounding cartilage tissue (fig. 4). On account of a continuous enduring „wicking or spring-effect“ due to these cartilage pins eventually abraded cartilage tissue gets renewed immediately at the surface and – thus – evokes a sustained elimination of cartilage damage!

Thanks to the fresh cartilage layer the patient is set free from aches and pains of arthrosis. Consequently he gains significantly in movability – a dynamic active life is now possible.

Get informed individually about the possibilities of joint-maintaining therapies! In your center of competence for the treatment of Osteo-Arthrosis!