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(54) Title: JOINT SUPPORT AND SUBCHONDRAL SUPPORT SYSTEM

(57) Abstract: A joint support and subchondral support system for providing structural and dampening support to damaged subchondral bone in generalized or discrete arthritis includes a contoured, porous plate having a variable shaped inner surface, outer surface, and peripheral surface of variable thickness extending between the inner surface and the outer surface, suitable for insertion within the subchondral bone. The inner surface, outer surface and peripheral surface each have a concave portion and a convex portion. A guide pin hole or slot is located within the contoured, porous plate to aid in insertion and placement of the plate over at least one corresponding guide pin within the subchondral bone. The joint support and subchondral support system of the present invention is applicable to many parts of the joint as any area with cartilage disease has an adjoining subchondral component.



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