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(54) Title (EN): MEDICAL SHEET

(54) Title (FR): FEUILLE MÉDICALE

(57) Abstract:

(EN): A medical sheet has an intricate pattern of loops, struts and bridges and is made of a super elastic alloy. The medical sheet includes a plurality of amorphous circles which provide rounded surfaces attached to the outer edges which made the medical sheet a-traumatic when implanted. When the medical sheet is cooled the molecular phase becomes martensitic which allows the medical sheet to be compressed for easier insertion into a patient. When the medical sheet is heated, the molecular phase changes to austenitic which causes the medical sheet to expand to a size suitable for implantation. The medical sheet can be secured within the patient by suturing through holes in the amorphous circles.

(FR): L'invention concerne une feuille médicale comportant un motif de boucles, d'entretoises et de ponts imbriqués et faite d'un alliage superélastique. La feuille médicale comprend une pluralité de cercles amorphes qui fournissent des surfaces arrondies fixées aux bords externes qui rendent la feuille médicale atraumatique lorsqu'elle est implantée. Lorsque la feuille médicale est refroidie, la phase moléculaire devient martensitique ce qui permet de comprimer la feuille médicale pour mieux l'insérer dans un patient. Lorsque la feuille médicale est chauffée, la phase moléculaire devient austénitique ce qui augmente la taille de la feuille médicale jusqu'à une dimension appropriée à l'implantation. La feuille médicale peut être fixée dans le patient par suture dans les trous des cercles amorphes.

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