

Title (en)

REMOVABLE GUIDE DEVICE FOR RADIOFLUOROSCOPIC INFILTRATION HAVING AN IMAGE INTENSIFIER

Title (de)

ABNEHMBARE FÜHRUNGSVORRICHTUNG ZUR RADIOFLUOROSKOPISCHEN INFILTRATION MIT EINEM BILDVERSTÄRKER

Title (fr)

DISPOSITIF AMOVIBLE DE GUIDAGE POUR INFILTRATION SOUS RADIOFLUOSCOPIE AVEC AMPLIFICATEUR DE BRILLANCE

Publication

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Application

**EP 11767293 A 20110606**

Priority

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Abstract (en)

[origin: WO2012168749A1] The invention relates to a removable guide device for radiofluoroscopic infiltration having an image intensifier. After having fluoroscopically selected the anatomical reference tags, the invention enables the physical representation of the injection site, the skin puncture point and the axis of advance of the infiltration needle, using coaxial technology, while at the same time reducing the time for fluoroscopy and thus the irradiation levels. Said device consists of a parabolic carbon-fiber screen (a) attached to the image intensifier (b) of the radiofluoroscopic device, such that the focal point is the X-ray focus (c); one or more removable magnetized radiopaque reference tags (m) capable of being attached, by means of the parabolic screen, to a class-II laser pointer module (e) having a side switch, and the base of which has a magnetized ring (h) for receiving the pedicle (f) of the removable radiopaque reference tag; a transparent carbon-fiber gripper for moving the reference tags over the dome of the parabola, and a transparent sheet to be adhered to the reference monitor screen in order to identify the points to be treated. When the device is installed, the laser pointer module indicates the puncture point on the skin of the patient, the direction being obtained by holding said light point at the center of the base of the puncture needle until the target is reached. Said device according to the invention is particularly useful in pain clinics (the treatment of pain), rheumatology, and interventional radiology.

IPC 8 full level

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