1: *Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr* 1990 Sep;153(3):233-8

[Digital subtraction angiography using carbon dioxide: an alternative to arteriography of the extremities using iodine-containing contrast media].

[Article in German]

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The basics and the technique of intraarterial digital subtraction arteriography with carbon dioxide (CO2) are presented. The procedure turned out to be a good and relatively poor-risk alternative to conventional angiography with iodinated contrast media in 26 peripheral arteriographies and in 6 peripheral angioplasties in hyperthyroid patients. Using a 9-inch amplifier, arteriograms from the infrarenal abdominal aorta down to the lower leg arteries were performed with five series of insufflation of 20-25 cc CO2 each. With regard to the image quality, there is no difference between CO2 arteriograms and those performed with intraarterial application of iodinated contrast media.

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