A MEDICAL GUIDE WIRE, AN ASSEMBLY BODY OF THE SAME MEDICAL GUIDE WIRE AND MICROCATHETER, AN ASSEMBLY BODY OF THE SAME MEDICAL GUIDE WIRE, A BALLOON CATHETER AND A GUIDING CATHETER

ABSTRACT

A medical guide wire (1) has a helical spring body (3), a distal end portion of which has a radiopaque helical portion (31), and an elongate core (2) placed within the helical spring body (3). The elongate core (2) has a distal end portion (21) diametrically thinned and having a proximal end portion (22) diametrically thickened. A securement portion (10) is provided in which the distal end of the helical spring body (3) and the distal end of the elongate core (2) are air-tightly bonded. A floatage chamber (5) is formed within the radiopaque helical portion (31). A synthetic resin layer (4) coated on an outer surface of the helical spring body (3) forms a cylindrical film (43) at a clearance (C) between neighboring coil lines (W) of the helical spring body (3) in a condition that an outer diameter of the cylindrical film (43) is smaller than that of the helical spring body (3) when expanding the helical spring body (3) in the moistened condition, thus enabling an operator to a deep insertion against a blood vessel due to a buoyant property and an increased pressure resistance caused by blood streams.

Figure no. 17 is suggested for publication