

Metal frame of the key clamp on a medical clip consists of two keys of identical design and two springs of identical design, the ends of which are secured to the ends of both keys, thereby connecting the two keys together. The keys and springs are made of nitinol wire with a solid cross-section, wherein the cross-sectional diameter of the keys d_1 is greater than the cross-sectional diameter of the springs d_2 . At both ends of the straight cylindrical keys, there are holes with a diameter equal to the cross-sectional diameter of the springs d_2 , the axes of these holes are parallel to each other and perpendicular to the axis of the keys. Both springs are curved and have a U-shaped contour, within which a circle with radius R is inscribed. The length a of the straight ends of the springs is equal to the length of the tangent to the inscribed circle from the end of the spring to the point where it touches the inscribed circle, the distance b exists between the ends of the springs. The length L of the keys is determined during a medical procedure based on the results of direct measurement of the length of the patient's left atrial appendage. Both ends of each spring are inserted into holes at the ends of the keys and secured at the exit from these holes by forming a weld.