

Method for combined treatment of biomedical steel manufactured by additive technology of selective laser melting includes ultrasonic impact modification of the surface, heating, and cooling in water. Heating is carried out for 1 hour at a temperature in the range of 850-1000 °C, the value of which is selected from the ratio:

$t, ^\circ\text{C} = 1000 - 0.1 A,$

where A is the product of the impact force, H and the impact amplitude, μm .