

Method of non-invasive control of the temperature of objects during local low-temperature exposure includes calibrating an infrared thermal imaging camera, displaying a thermal image of this camera on a personal computer monitor with a display of a necrotic isotherm in real time with subsequent saving on a hard disk, performing low-temperature exposure on the object with a quasi-point cryoapplicator cooled with liquid nitrogen. The thermal image is displayed in the form of sequential frames at a speed of 25-35 images per minute and is started 60 seconds before the start of low-temperature exposure.