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**PROPOSAL FOR AN ENDOSCOPIC RECOGNITION ON UV-LIGHT FOR
THE EXCLUSION OF THE SINGEING HYPOTHESIS**

Abstract

The hypothesis that the body image of the Turin Shroud Man was obtained by means of a singeing of a linen sheet leaned on a heated bas-relief, even if not much credible, is not yet excluded by the whole scientific world.

To exclude this hypothesis, a recognition of the not visible Shroud side (because it is sewed on an Holland cloth) with an endoscope is proposed. The Ultra-Violet lighting will be obtained by means of optical fibers.

Experimental tests evidenced that a singeing of a linen sheet at low temperature (about 50 °C) generate an image, in visible light excited by UV, that is both evident on the side in contact with the bas-relief and on the opposite one. At higher temperatures (about 120 °C) the image is cancelled by an oxidation and dehidratation of the linen fibers.

Other experimental tests showed that the singed image passes from a side to the other in the sheet if it was not previously wetted with a aloe and myrrh solution; in this case the image is superficial, but the opposite side shows the image only visible in UV light.

The body image of the Turin Shroud, caused by an oxidation and dehidratation, is extremely superficial. Then, if an endoscope, easily to insert among the Shroud sewings, is capable to show the absence of any image in the visible spectrum excited by UV light, the singeing hypothesis should be definitively rejected.