

## Problems of cardiosurgery wound healing evaluation

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### Abstract

The aim of this presentation is to analyse possibility of using the newly elaborated infrared imaging procedures called the Active Dynamic Thermography (ADT) for quantitative diagnostics and evaluation of wound healing processes in cardiosurgery. Classical thermal figures of merit as well as new descriptors are compared from the point of view of objective, quantitative estimation of wound state. Temporal properties of thermal transients are proposed for objective quantitative description of the healing process. Algorithms enabling evaluation of surgical wound healing process are discussed in terms of possible implementation of the method into clinical practice.

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