

# Abstract

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## Health Technology assessment: the influence in medical imaging

The annual number of procedures in medical imaging has grown extremely rapid in recent years. Health systems throughout the world are struggling with the challenge of how to manage health-care delivery in conditions of limited resources. There is a need to maximize the positive impact of health-care interventions on population health.

Health Technology Assessment (HTA) emerged as a response to decision-makers' questions about the uncontrolled diffusion of costly medical equipment. HTA began in the early 1970s, when the rapid demand for computer-assisted tomography (CT- scans) became a public policy issue due to the very high cost per unit.

HTA is the systematic evaluation of properties, effects, and/or impacts of health-care technology. It may address the direct, intended consequences of technologies as well as their indirect, unintended consequences. Its main purpose is to inform technology-related policy-making in health care. Conducted by interdisciplinary groups, HTA comprises a number of various methods utilized to assess health technologies. Examples include diagnostic tests, health economic assessment, meta-analysis and systematic reviews.

This presentation aims (1) to learn about Health Technology Assessment; (2) to identify research methods to assess HT in medical imaging; (3) to understand the value of meta-analysis and systematic reviews in HTA; and (3) to be aware of HTA influence in medical imaging.