



## Modeling the Development and Dissemination of an Emerging Medical Technology (Classic Reprint)

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By Stan N Finkelstein

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Excerpt from Modeling the Development and Dissemination of an Emerging Medical Technology The proliferation of new medical technologies in recent years has produced both excitement and concern among health professionals. The excitement reflects the opportunities to improve the length and quality of life. The concern has been focused primarily on the social costs of technologies whose development, dissemination, and utilization ultimately prove inefficient. Much attention has centered on a call for policies that would rationalize the diffusion of emerging technologies, for which only limited effectiveness data are available. The risks and uncertainties which decision-makers face are double-edged and can be described as analogous to Type I ( false positive ) and Type I ( false negative ) statistical errors. The Type I error would correspond to a situation in which actions taken to facilitate the rapid dissemination of a technology resulted in its overuse. The anticipation of significant benefits to be gained from a new practice may lead to decisions which lack sufficient restraint. A Type I error may not become apparent for several years, if that...



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