Eradicationology: the mathematical art of eradicating diseases.

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Abstract

In this presentation we will illustrate the mathematical similarities between some vaccination policy and some kind of anticancer therapy. The problems with which we will deal are very different: spread of an infectious disease in a population in the first case, tumor growth in an individual in the second case. In both cases, however, the mathematical analysis has been able to give some new and useful medical inferences by using similar tools.