

Propositions belonging to the thesis:

Lung Cancer Screening: Optimization through risk stratification

- 1) Natural history modeling can provide insights in the long-term benefits and harms of lung cancer screening policies beyond the information provided by randomized clinical trials and observational studies alone. (this thesis)
- 2) Lung cancer screening can be (cost-)effective in a population-based setting, provided that high-risk individuals are selected based on stringent smoking eligibility criteria. (this thesis)
- 3) Even though participants of lung cancer screening have a heightened risk of mortality due to their (past) smoking behavior, lung cancer screening yields a substantial number of life-years for each lung cancer death prevented. (this thesis)
- 4) Risk stratification can improve the identification of individuals eligible for lung cancer screening. (this thesis)
- 5) Risk stratification based on the results of the screening test(s) can aid in the detection of lung cancer and may allow personalization of a participant's screening regimen. (this thesis)
- 6) Giving up smoking is the easiest thing in the world. I know because I've done it thousands of times. (Attributed to Mark Twain)
- 7) Just because you can create a predictive model, it doesn't mean that you should. (Vickers&Cronin, Urology, 2010)
- 8) Without the aid of statistics nothing like real medicine is possible. (Louis, Am J Med Sci, 1837)
- 9) Statistics - A subject which most statisticians find difficult but in which nearly all physicians are expert. (Senn, Statistical Issues in Drug Development 2nd edition, 2008)
- 10) Puns are the highest form of literature. (Alfred Hitchcock)
- 11) Perseverance, secret of all triumphs. (Attributed to Victor Hugo)

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Rotterdam, December 7th 2017