**Original Research Article**

**Title:**Scenarios for feedback loop failure in medical diagnosis

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**Abbreviated Title Suggestion:** Feedback loop failure in medical diagnosis

**Conflict of Interest:** Jonathan H. Chen is co-founder of Reaction Explorer LLC that develops and licenses organic chemistry education software.

**Source of Funding:** This work was supported by grant T32 LM012409 (to R.C.A.), grant LM013365 (to J.H.C.) and grant R01 AI154533 (to J.F.S. and M.B.) from the National Institutes of Health; by a Stanford Graduate Fellowship in Science and Engineering (to R.C.A) from Stanford University; in part by funds from the Stanford School of Medicine Women’s Health and Sex Differences in Medicine Center (WHSDM); in part by a Stanford Artificial Intelligence in Medicine and Imaging – Human-Centered Artificial Intelligence Partnership grant (to JHC); in part by the Stanford Aging and Ethnogeriatrics Research Center (JHC); and in part by the Stanford Clinical Excellence Research Center (JHC).

**Code and data:** All code (including the code used to generate the simulated data sets) is available on github at <https://github.com/raikens1/confirmationBias>. Only simulated data is used in the results for this paper.