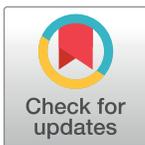


CORRECTION

Correction: A mathematical model describing the localization and spread of influenza A virus infection within the human respiratory tract

Christian Quirouette, Nada P. Younis, Micaela B. Reddy, Catherine A. A. Beauchemin

In [Fig 3](#) there is an error in the text in the legend within the figure for parts d, e, f. It says 1 dpi, 2 dpi, 3 dpi, 4 dpi, 7 dpi, 7 dpi, but it should say 0 dpi, 1 dpi, 2 dpi, 3 dpi, 4 dpi, 7 dpi. The authors have provided a corrected version here.



OPEN ACCESS

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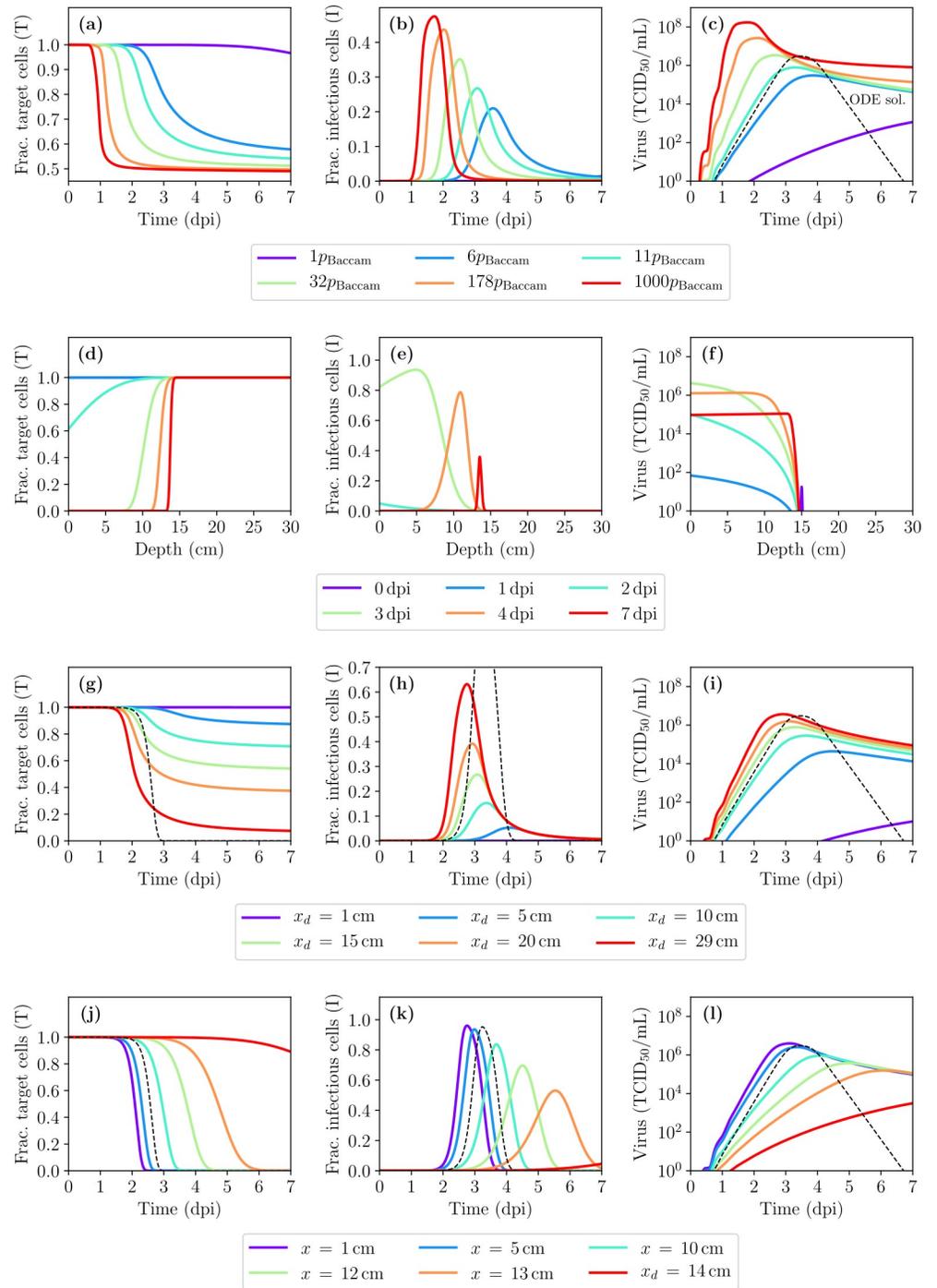


Fig 3. IAV infection kinetics in the presence of diffusion and advection. (a,b,c) Time course (averaged over space) of the infection for the fraction of cells in the (a) target/uninfected or (b) infectious state, and (c) the infectious virus concentration, obtained using the ODE MM (dashed) or the spatial MM (solid), as the rate of virus production, p , is varied. (d,e,f) Localized fraction of cells in the (d) target or (e) infectious state and (f) the infectious virus concentration as a function of depth within the HRT shown at specific days post-infection (dpi). (g,h,i) Same as (a,b,c) but varying the depth of deposition of the initial virus inoculum (x_d). (j,k,l) Similar to (a,b,c) but rather than being averaged over space, the infection time course is shown at specific, spatially localized depths (x). Unless otherwise noted, $p = 11 \times p_{Baccam}$ and $x_d = 15$ cm.

<https://doi.org/10.1371/journal.pcbi.1008424.g001>

Reference

1. Quirouette C, Younis NP, Reddy MB, Beauchemin CAA (2020) A mathematical model describing the localization and spread of influenza A virus infection within the human respiratory tract. PLoS Comput Biol 16(4): e1007705. <https://doi.org/10.1371/journal.pcbi.1007705> PMID: [32282797](https://pubmed.ncbi.nlm.nih.gov/32282797/)