

THE LANCET

Supplementary webappendix

This webappendix formed part of the original submission. We post it as supplied by the authors.

Supplement to: Lee N, Hui DSC. Dexamethasone in community-acquired pneumonia. *Lancet* 2011; **378**: 979.

Table: Reports on the impacts of corticosteroid use on viral shedding and clinical outcomes in severe influenza infection

Clinical reports	Findings
Lee N et al. ⁴ (n=147)	Seasonal influenza; slowed viral clearance
Boudreault AA et al. (n=143)	Seasonal influenza; slowed viral clearance
Giannella M et al. (n=64)	2009 A/H1N1 ; slowed viral clearance
Brun-Buisson C et al. ³ (n=208)	2009 A/H1N1; increased mortality, increased secondary infections, longer duration of ventilation*
Kim SH et al. (n=245)	2009 A/H1N1; increased mortality, increased secondary infections, longer duration of ventilation and ICU care
Xi X et al. (n=155)	2009 A/H1N1; increased mortality, increased secondary infections
Han Ke et al. (n=83)	2009 A/H1N1; increased risk of progression to critical illness and death
Viasus D et al. (n=197)	2009 A/H1N1; no benefit in preventing progression, longer time to clinical stability, increased secondary infections
Martin-Loeches I et al. (n=220)	2009 A/H1N1; no benefit in preventing progression, increased secondary infections
Liem NT et al. (n=67)	H5N1; increased mortality
Hien ND et al. (n=29)	H5N1; no benefit in preventing progression**

Literature search was performed using PubMed database with the search terms: "corticosteroids", "influenza"

*corticosteroid initiated within the first 3 days of disease (before full viral suppression achieved) was associated with the worst outcomes

**a trend towards increased mortality also reported. A controlled study on corticosteroids in H5N1 pneumonia using mouse model did not show inhibition of cytokine release nor survival benefit [Xu T, et al. *Eur Respir J.* 2009;33(4):852-60.]

Boudreault AA, et al. *Biol Blood Marrow Transplant.* 2011;17(7):979-86.

Giannella M, et al. *Clin Microbiol Infect.* 2010 Oct 14. doi: 10.1111/j.1469-0691.2010.03399.x.

Kim SH, et al. *Am J Respir Crit Care Med*. 2011;183(9):1207-1214.
Xi X, et al. *BMC Infect Dis*. 2010;10:256.
Han Ke, et al. *Clin Infect Dis*. 2011;53(4) :326-33.
Viasus D, et al. *J Infect*. 2011;62(3):193-9.
Martin-Loeches I, et al. *Intensive Care Med*. 2011;37(2):272-83.
Liem NT, et al. *Clin Infect Dis*. 2009;48(12):1639-46.
Hien ND, et al. *Emerg Infect Dis*. 2009;15(1):19-23.