

8. Cortés I, Pérez-Camarero S, del Llano J, Peña LM, Hidalgo-Vega A. Systematic review of economic analyses of available vaccines in Spain from 1990 to 2012. *Vaccine*. 2013;31:3473–84.
9. Moreno-Pérez D, Álvarez García FJ, Arístegui Fernández J, Cilleruelo Ortega MJ, Corretger Rauet JM, García Sánchez N, et al. Calendario de vacunaciones de la Asociación Española de Pediatría: recomendaciones 2015. *An Pediatr (Barc)*. 2015;82:44.e1–44.e12. Disponible en: <http://www.analesdepediatria.org/es/calendario-vacunaciones-asociacion-espanola-pediatria/articulo/S1695403314005128/>
10. Martínez A, Broner S, Sala MR, Manzanera-Laya S, Godoy P, Planas C, et al. Changes in the epidemiology of hepatitis A outbreaks 13 years after the introduction of a mass vaccination program. *Hum Vaccin Immunother*. 2015;11:192–7. <http://dx.doi.org/10.4161/hv.35861>.

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Influenza infection in ICU



La infección por gripe en la UCI

Dear editor, the recent report on “influenza infection in ICU” is very interesting¹. Pérez-Carrasco et al. concluded that “influenza infection screening should be considered in all SARI patients¹.” Indeed, influenza is a big problem worldwide and the infection can be seen at any time and place. The epidemiology of influenza in different setting is different and there is also seasonal change. The present report also showed that “influenza SARI was mainly caused by subtype A(H1N1)pdm09 and A(H3N2) in post-pandemic seasons, and no differences were observed in ILI and mortality rate compared with a pandemic season¹.” Based on this data, an interesting observation is the existence of circulation of subtype A(H1N1)pdm09. In fact, after the pandemic, it is no doubt that the incidence of subtype A(H1N1)pdm09 decreases but it should not it can still be seen at a high rate². In additional, the molecular survey also showed the continuous mutation observation in the virus³. Hence, the continuous surveillance is still required⁴. Finally, it should be noted that the physician in charge should not forget the other viral infections that can be seen at the same time of existence of influenza virus⁵.

Conflict of interest

No .

Bibliografía

1. Pérez-Carrasco M, Lagunes L, Antón A, Gattarello S, Laborda C, Pumarola T, Rello J. CRIPS investigators. Influenza infection in the intensive care unit: Four years after the 2009 pandemic. *Enferm Infecc Microbiol Clin*. 2016;34:177–83.
2. Yang L, Chan KH, Suen LK, Chan KP, Wang X, Cao P, He D, Peiris JS, Wong CM. Impact of the 2009 H1N1 Pandemic on Age-Specific Epidemic Curves of Other Respiratory Viruses: A Comparison of Pre-Pandemic Pandemic and Post-Pandemic Periods in a Subtropical City. *PLoS One*. 2015;10:e0125447.
3. Tran DN, Pham TM, Ha MT, Hayakawa S, Mizuguchi M, Ushijima H. Molecular epidemiology of influenza A virus infection among hospitalized children in vietnam during post-pandemic period. *J Med Virol*. 2015;87:904–12.
4. Lim C, Ang LW, Ma S, Lai FY, James L, Cutter J. Comparison of severely ill patients with influenza A(H1N1)pdm09 infection during the pandemic and post-pandemic periods in Singapore. *Vaccine*. 2015;33:615–20.
5. Navarro-Marí JM, Pérez-Ruiz M, Galán Montemayor JC, Marcos Maeso MÁ, Reina J, de Oña Navarro M, Cilla Eguiluz CG. Circulation of other respiratory viruses and viral co-infection during the 2009 pandemic influenza. *Enferm Infecc Microbiol Clin*. 2012;30 Suppl 4:25–31.

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