



Best-of Biblio les infections respiratoires

24 mars 2023

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Infections respiratoires - pubmed

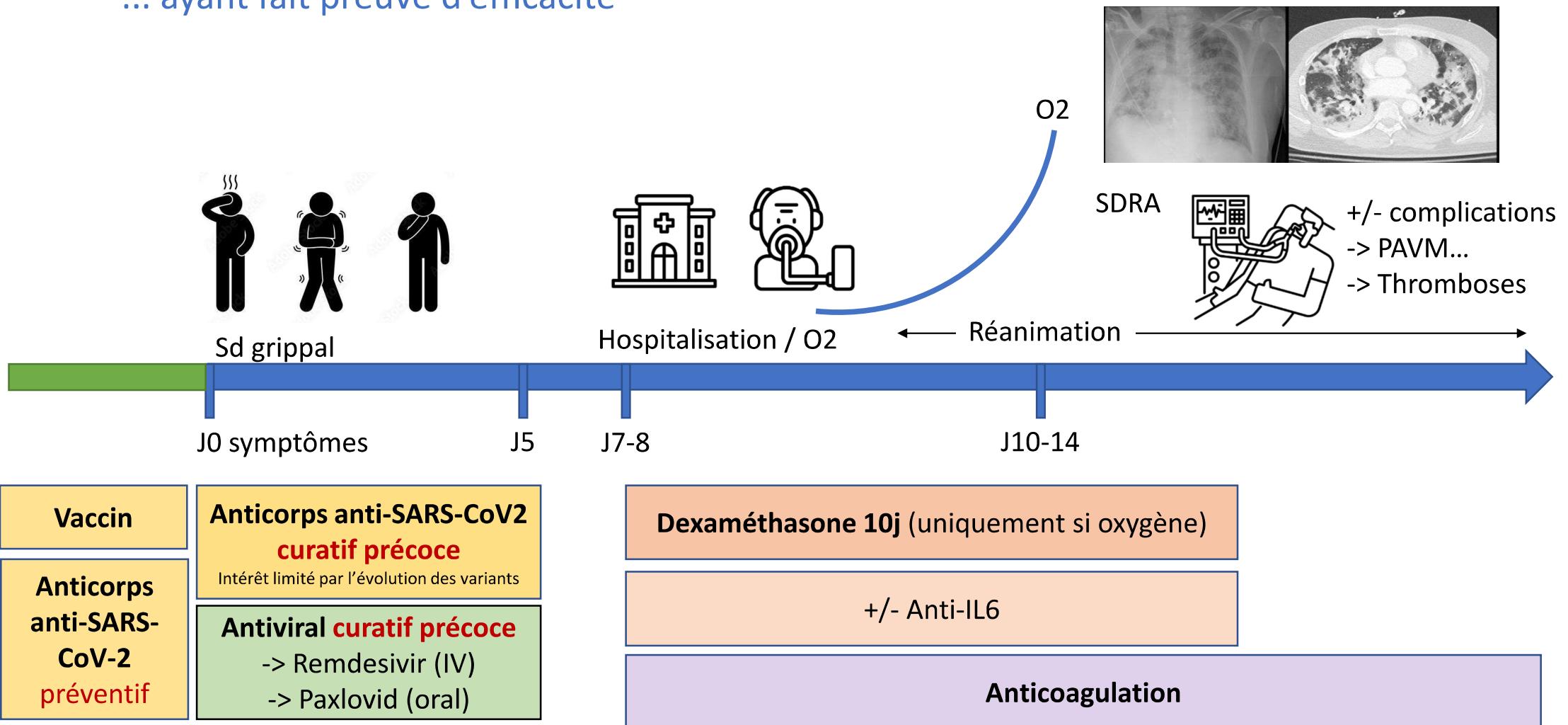


COVID-19: Retour vers le futur



Stratégies thérapeutiques COVID-19

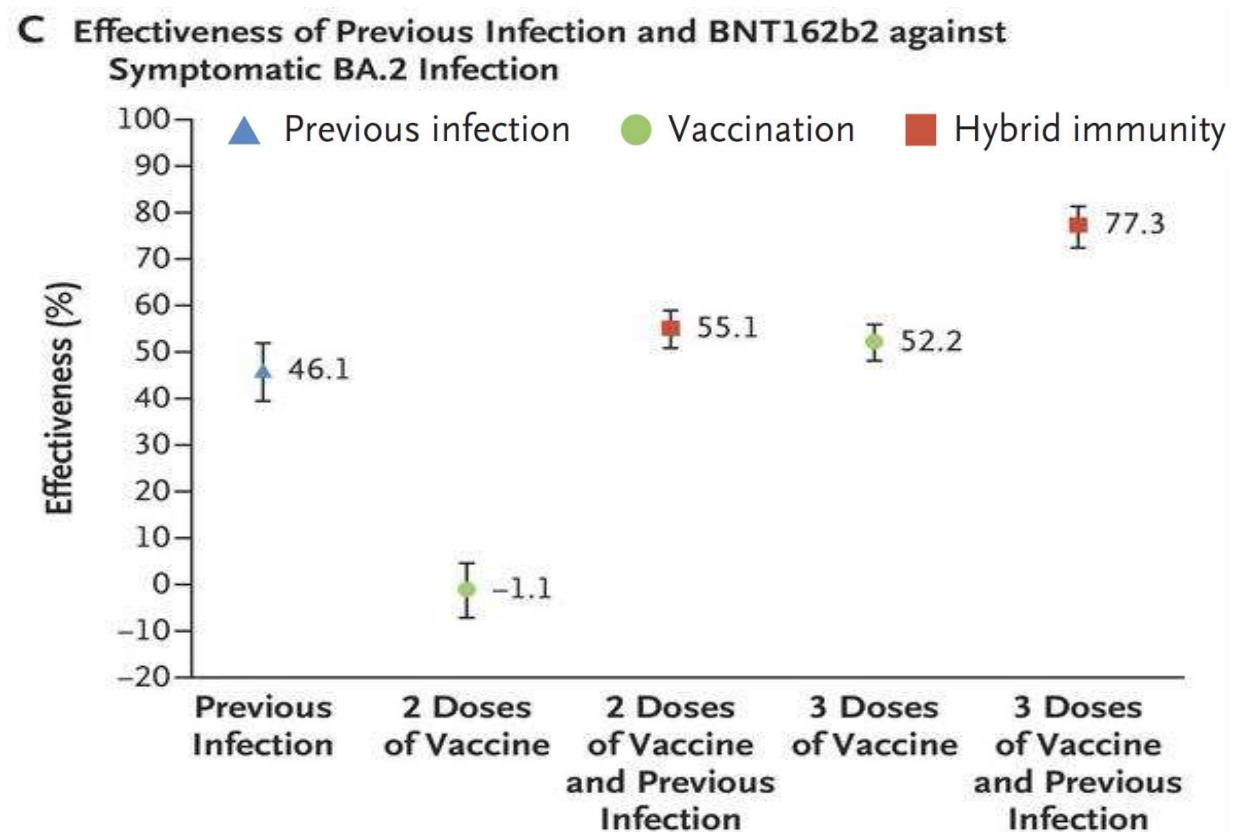
... ayant fait preuve d'efficacité



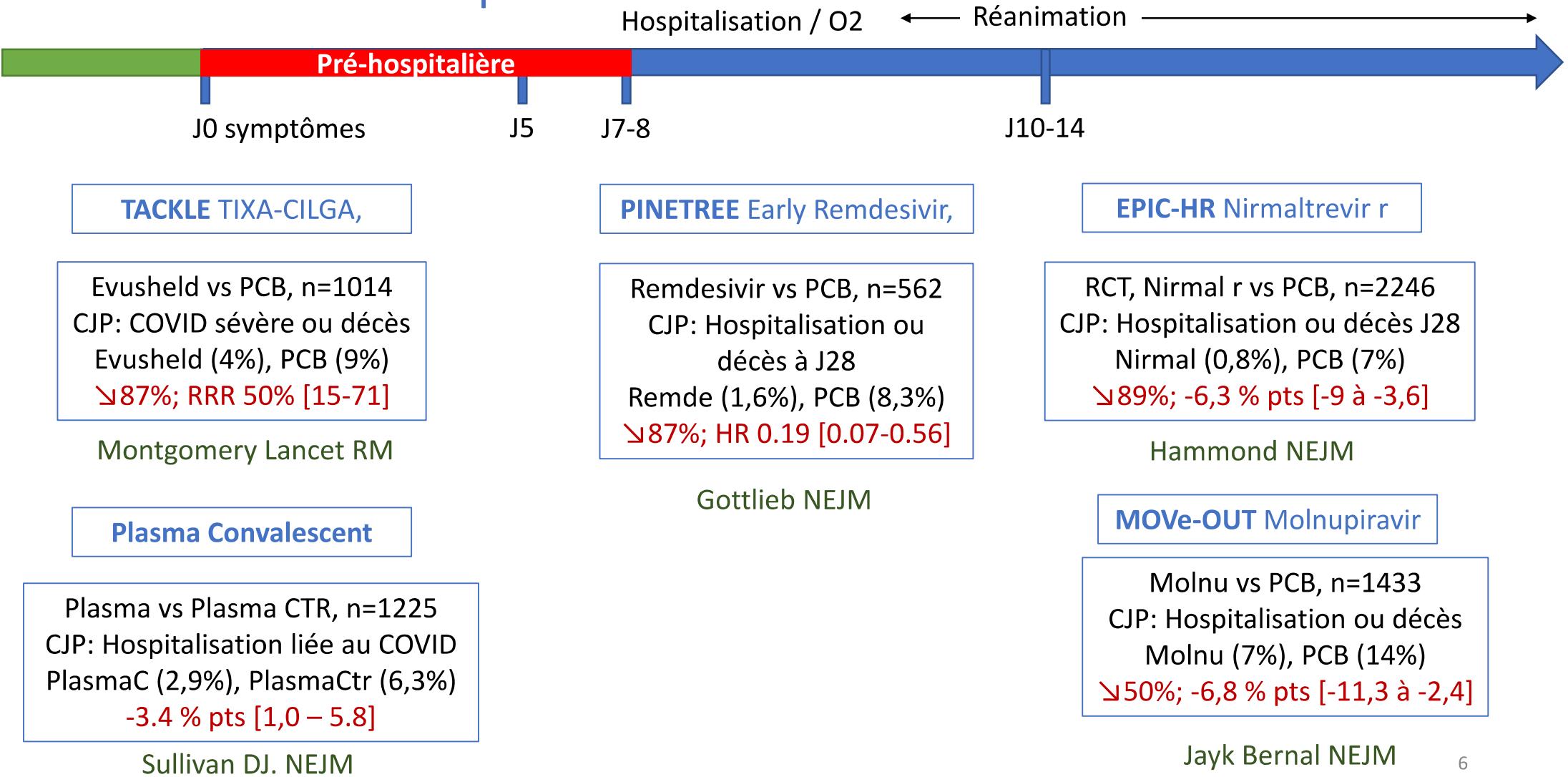
Effet d'une infection ou de(s) vaccination(s) sur la survenue de COVID symptomatique Omicron

The NEW ENGLAND JOURNAL of MEDICINE

- Etude cas-contrôle 1:1
- Matched-control (PCR-)
- Qatar
- 12/21-> 02/22
- Efficacité de
 - La vaccination
 - L'immunité naturelle
 - L'immunité hybride



COVID-19: Les RCT positifs



COVID sévère: Peut on faire mieux que les corticoïdes?



RECOVERY - Baricitinib

Baricitinib vs SOC, n=8156
Covid/hospitalisé
Mortalité J28
Baricitinib (12%), SOC (14%)
aRR 0,87 [0.77-0.99]

Lancet

ACTT-4 - Baricitinib

Baricitinib vs Dexa, n=1047
Survie sans ventilation
Baricitinib (87%), Dexa (87,6%)
Dexa: plus d'effets indésirables

Wolfe CR. Lancet Respir Med

PANAMO – Anti-C5a

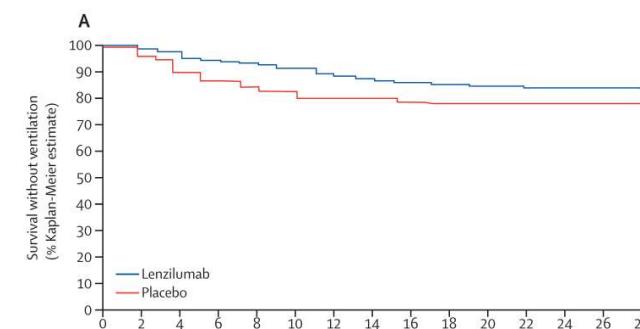
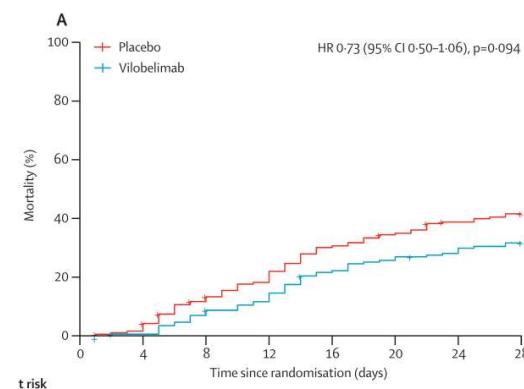
Vilobemimab vs PCB, n=368
Ventilation mécanique
Mortalité J28
Vilob (32%), PCB (42%)
HR 0,73 [0.50-1,06]

Vlaar. Lancet Respir Med

LIVE-AIR – anti GM-CSF

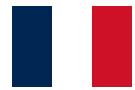
Lenzilumab vs PCB
Covid/hospitalisé
Survie sans ventilation
Lenzi (84%), PCB (78%)
HR 1,54 [1.02-2.32]

Temesgen. Lancet Respir Med



Retour en arrière

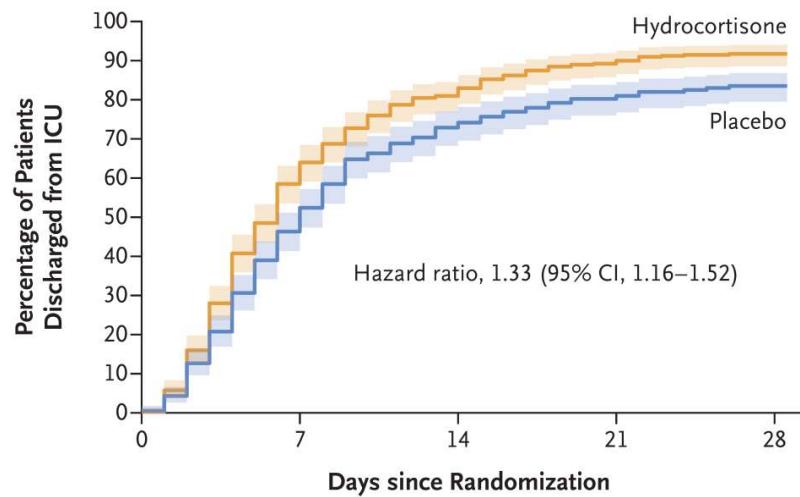




ORIGINAL ARTICLE

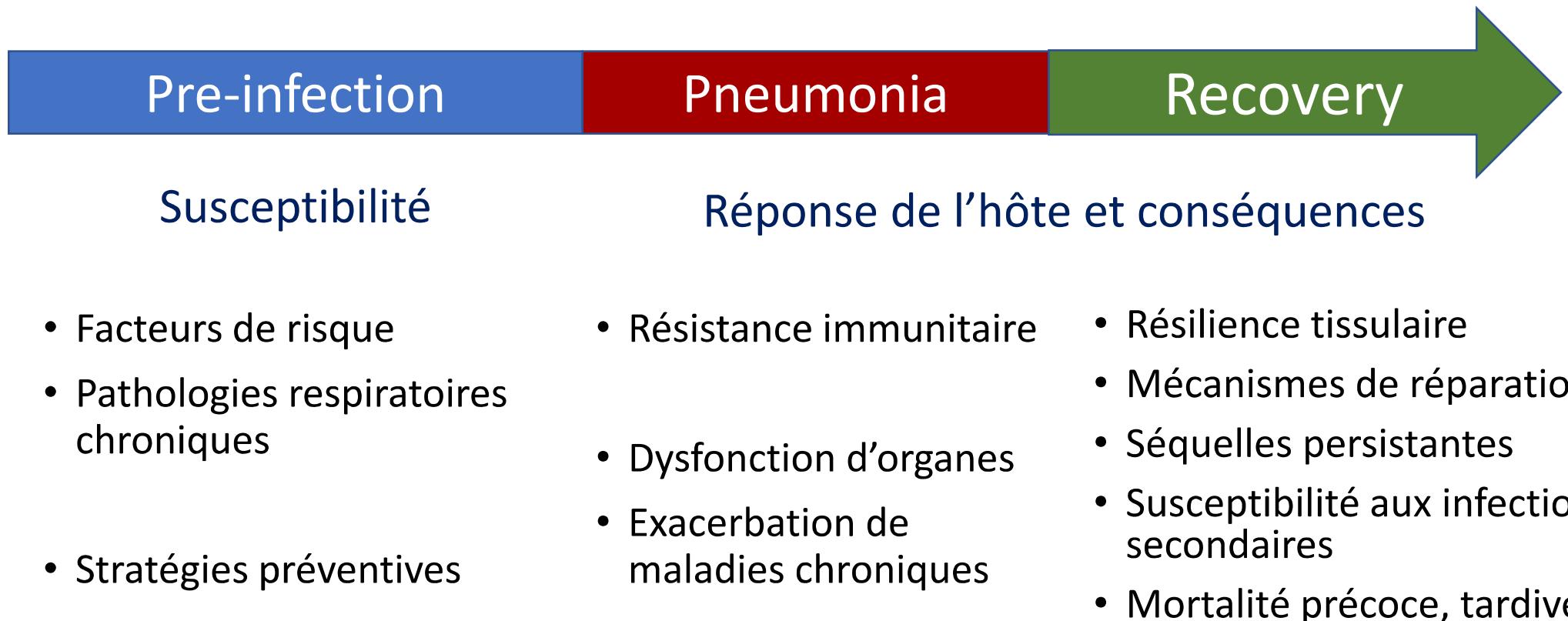
Hydrocortisone in Severe Community-Acquired Pneumonia

P.-F. Dequin, F. Meziani, J.-P. Quenot, T. Kamel, J.-D. Ricard, J. Badie, J. Reignier,

**No. at Risk**

| | | | | | |
|----------------|-----|-----|----|----|----|
| Hydrocortisone | 400 | 160 | 67 | 31 | 17 |
| Placebo | 395 | 198 | 85 | 48 | 27 |

Et les autres infections respiratoires?



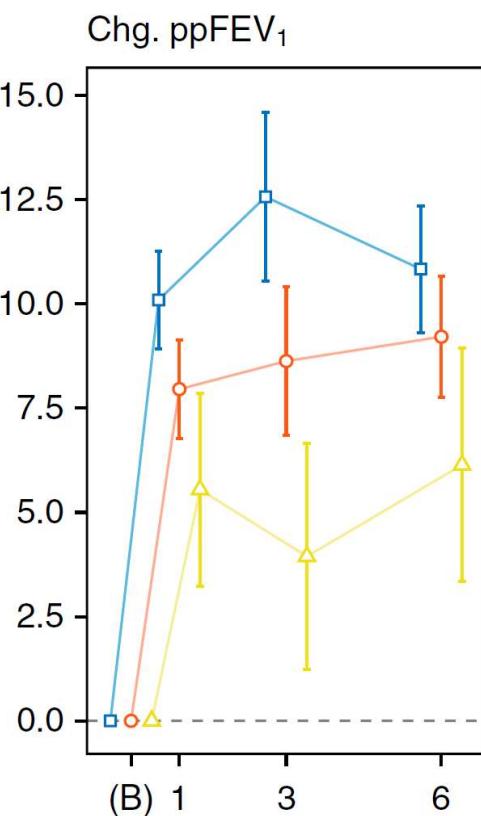
Clinical Effectiveness of Elexacaftor/Tezacaftor/Ivacaftor in People with Cystic Fibrosis

A Clinical Trial

Mucoviscidose
Modulateurs CFTR

David P. Nichols^{1,2}, Alex C. Paynter², Sonya L. Heltshe^{1,2}, Scott H. Donaldson³, Carla A. Frederick⁴,

AJRCCM 2022



PROMISE study

Etude prospective observationnelle

N=487 patients, Mucoviscidose

Initiation ETI (Elexacaftor/Tezacaftor/Ivacaftor)

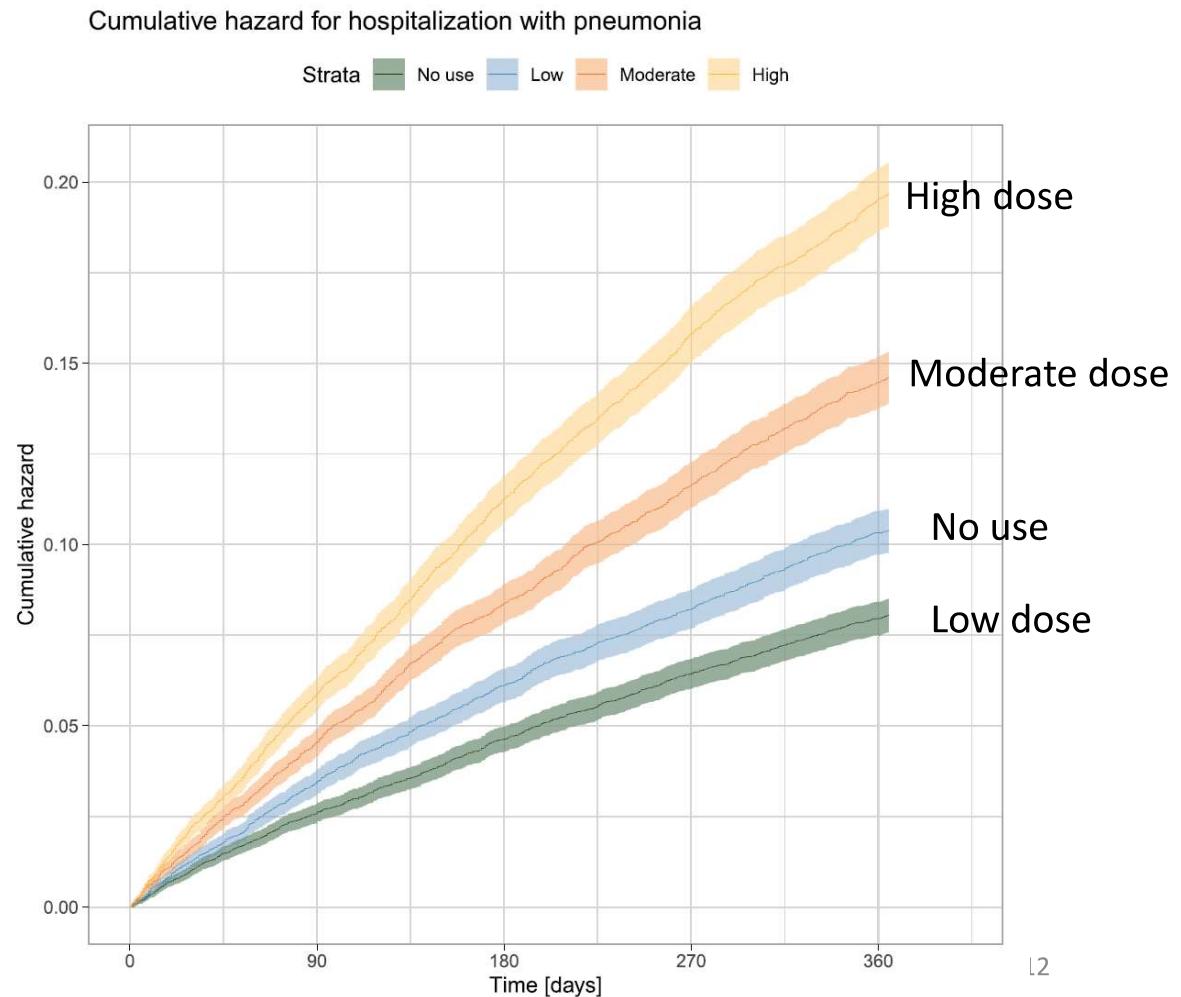
Suivi 6 mois

| Outcome | Visit | Using/Observed (%) | P Value |
|---------------------|----------|--------------------|---------|
| Inhaled antibiotics | Baseline | 248/486 (51.0) | <0.005 |
| | 1 mo | 186/417 (44.6) | |
| | 3 mo | 97/195 (49.7) | |
| | 6 mo | 145/429 (33.8) | |
| Azithromycin | Baseline | 238/486 (49.0) | — |
| | 1 mo | 206/417 (49.4) | |
| | 3 mo | 94/195 (48.2%) | |
| | 6 mo | 191/429 (44.5%) | |

Baseline Modulator: □ None ○ Tez/Iva or Lum/Iva △ Iva

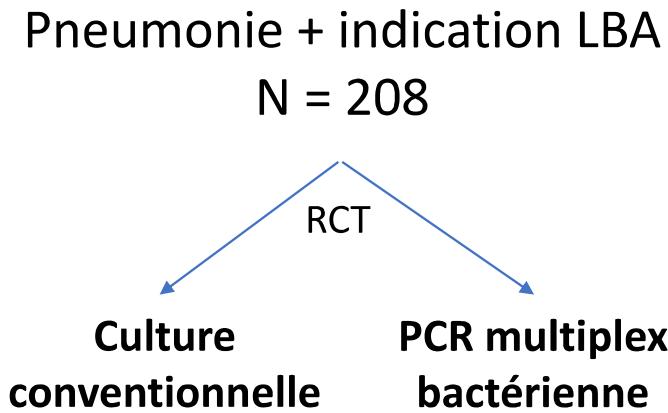
Hospitalization for chronic obstructive pulmonary disease and pneumonia: association with the dose of inhaled corticosteroids. A nation-wide cohort study of 52 100 outpatients

- Cohorte rétrospective Danoise
- BPCO prise en charge en ambulatoire
- Corticostéroïdes inhalés
- N= 52 100
 - No use n=15 755
 - Low-dose n= 12 050
 - Moderate dose n = 12 488
 - High dose n= 11 807
- Effet dose : ↑ risque d'hospitalisation avec pneumonie



Fast multiplex bacterial PCR of bronchoalveolar lavage for antibiotic stewardship in hospitalised patients with pneumonia at risk of Gram-negative bacterial infection (Flagship II): a multicentre, randomised controlled trial

Andrei M Darie, Nina Khanna, Kathleen Jahn, Michael Osthoff, Stefano Bassetti, Mirjam Osthoff, Desiree M Schumann, Werner C Albrich, Hans Hirsch, Martin Brutsche, Leticia Grize, Michael Tamm, Daiana Stolz



Stratégie PCR: ↓ durée vers une prescription d'une antibiothérapie adaptée de 38,6 heures

Pneumonie
Approche microbiologique

Lancet Respir Med 2022

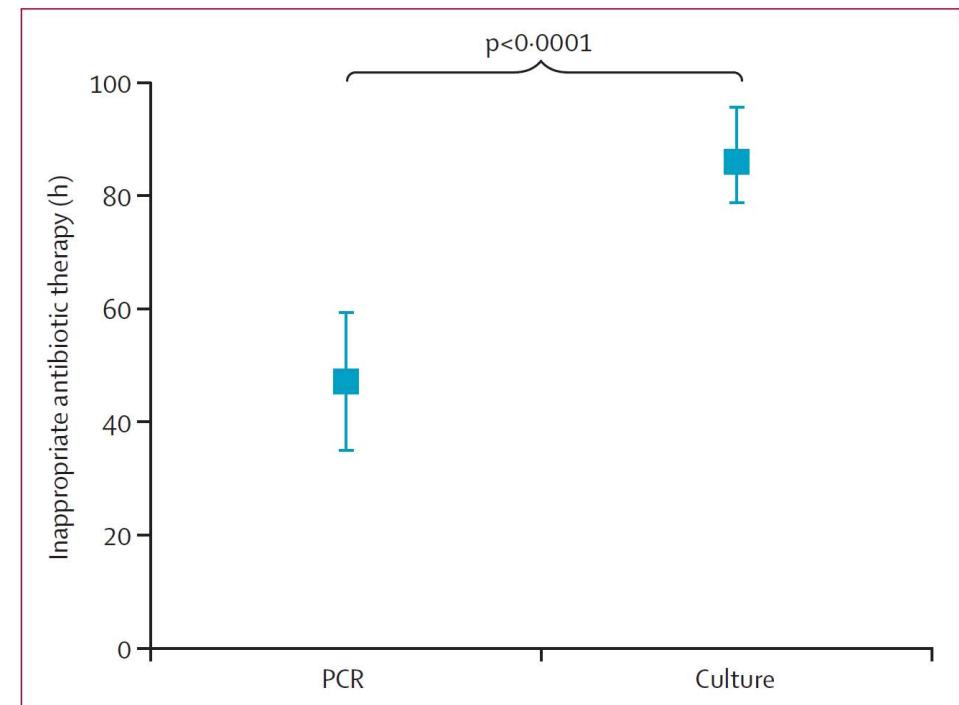


Figure 2: Duration of inappropriate antibiotic therapy

Reemergence of Invasive Pneumococcal Disease in Germany During the Spring and Summer of 2021

— 2015-2019 2020 - - - 2021
 Perniciaro S. CID 2022

Effectiveness of 13-Valent Pneumococcal Conjugate Vaccine Against Medically Attended Lower Respiratory Tract Infection and Pneumonia Among Older Adults

Lewnard JA. CID 2022

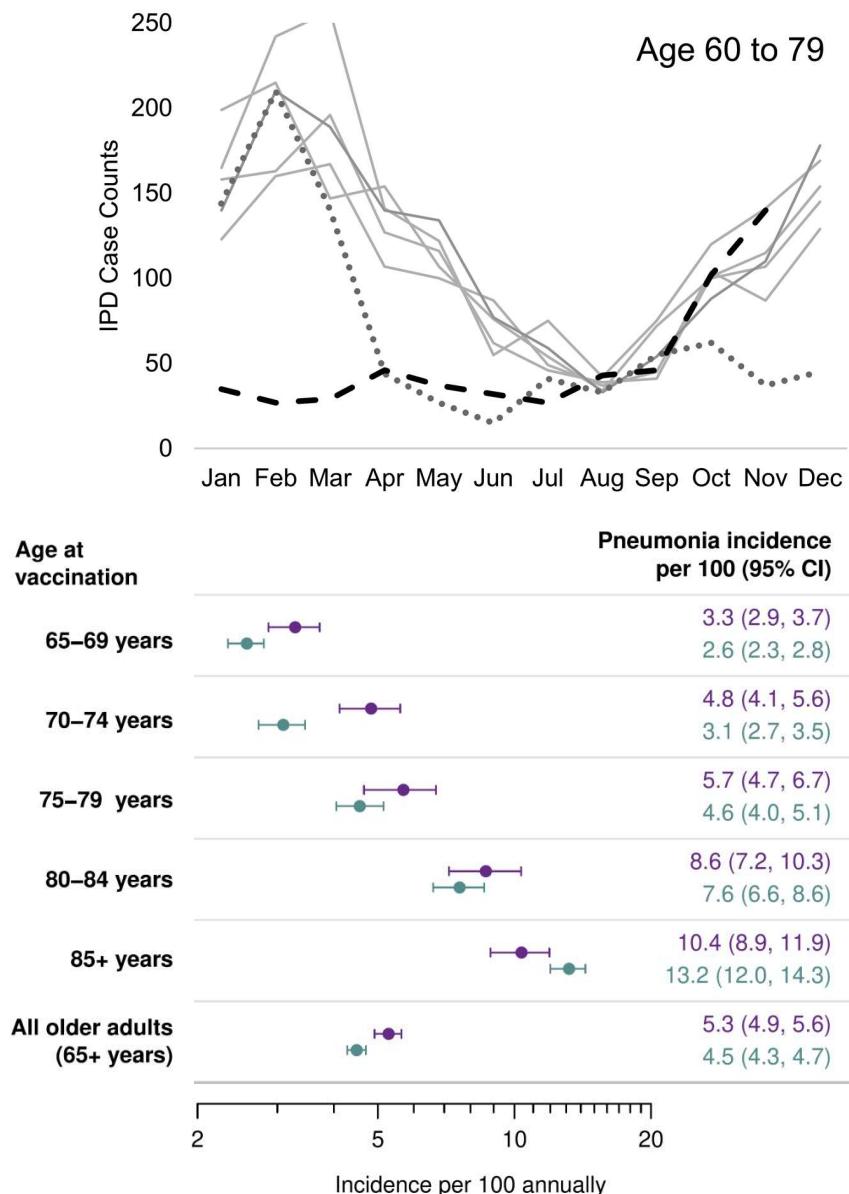
42 700 adultes > 65 ans

Cohorte , Californie, 2016-19

Mesure de l'efficacité vaccinale

 PCV13
not yet received

 PCV13
received in prior year



Rifapentine access in Europe: growing concerns over key tuberculosis treatment component

Lorenzo Guglielmetti ^{1,2,3}, Gunar Günther^{4,5}, Claude Leu⁴, Daniela Cirillo ⁶, Raquel Duarte ^{7,8,9,10}, Alberto L. Garcia-Basteiro^{11,12}, Delia Goletti ¹³, Mateja Jankovic ¹⁴, Liga Kuksa^{15,16}, Florian P. Maurer ^{17,18,19}, Frédéric Méchai²⁰, Simon Tiberi^{21,22}, Frank van Leth ^{23,24}, Nicolas Veziris ^{2,25,26} and Christoph Lange ^{19,27,28,29} on behalf of the Study Group on Mycobacteria of the European Society of Microbiology and Infectious Diseases (ESGMYC), European Society of Mycobacteriology (ESM), European Respiratory Society (ERS) and the Tuberculosis Network European Trials group (TBnet)

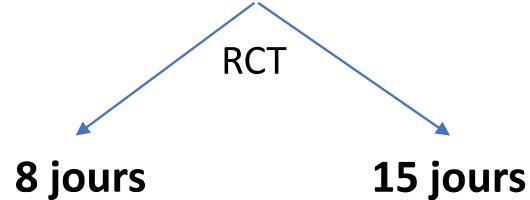
- Rifapentine (1965)
- Longue demi vie
- Peu d'interactions médicamenteuses
- Réduction des durées de traitements avec un backbone comprenant la Rifapentine
 - Tuberculose infection: 1 mois (Swindells S. NEJM 2019)
 - Tuberculose maladie: 4 mois (Dorman SE. NEJM 2021)
- Va révolutionner la prise en charge des tuberculoses dès que nous y auront accès!!

Comparison of 8 versus 15 days of antibiotic therapy for *Pseudomonas aeruginosa* ventilator-associated pneumonia in adults: a randomized, controlled, open-label trial

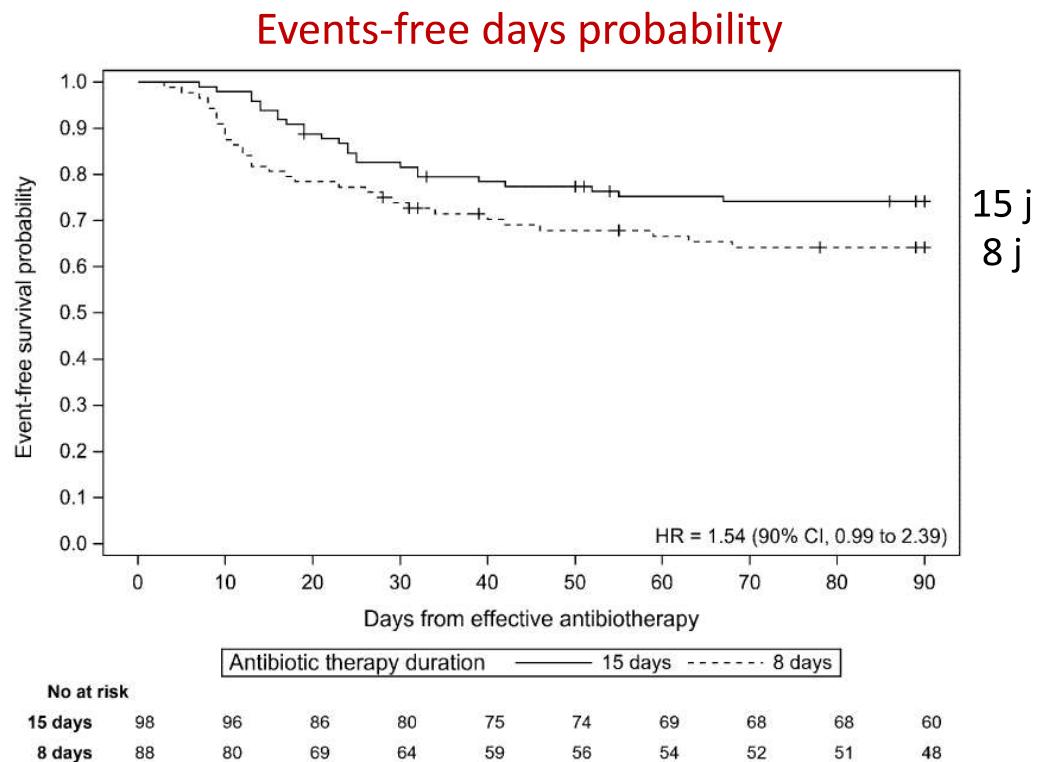
PAVM pseudomonas

iDIAPASON trial

PAVM à Pseudomonas



Pas de non infériorité démontrée du traitement court



Conclusion

- Beaucoup d'optimisme dans la prise en charge des infections respiratoires!!!

Je vous remercie