séminaire national du DES d'infectiologie Sept 2025



Physiopathologie de l'immunodépression post-septique: up to date "de la physiopathologie aux perspectives thérapeutiques"

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Laboratoire d'Immunologie / Hôp. E. Herriot / Hospices Civils de Lyon UR 7426 – Immunodépression induite par les inflammations systémiques - U. Lyon 1









Conflict of interest disclosure

Roche DF, Volition, Beckman

Conference invitation to scientific congresses: fees paid to the research credits of the team

BioMérieux

Inventor of common patents (n = 15, transcriptomics)



Phase précoce Sepsis/choc septique : up to date "de la physiopathologie au traitement des premières heures" : Pr. Haf Immunodépression sous-jacente préalable à l'admission en réanimation		se precoce
Immunodépression sous-jacente préalable à l'admission en réanimation	lafid Ait-Oufella	is/choc septique: up to date "de la physiopathologie au traitement des premières heures": Pr. Hafid Ait
		nunodépression sous-jacente préalable à l'admission en réanimation
Back to definitions and pathophysiology		Back to definitions and pathophysiology

Special Communication | CARING FOR THE CRITICALLY ILL PATIENT



The Third International Consensus Definitions for Sepsis and Septic Shock (Sepsis-3)

Sepsis

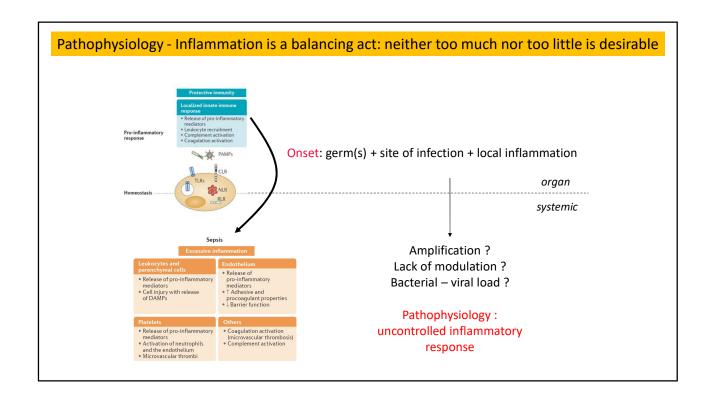
2016

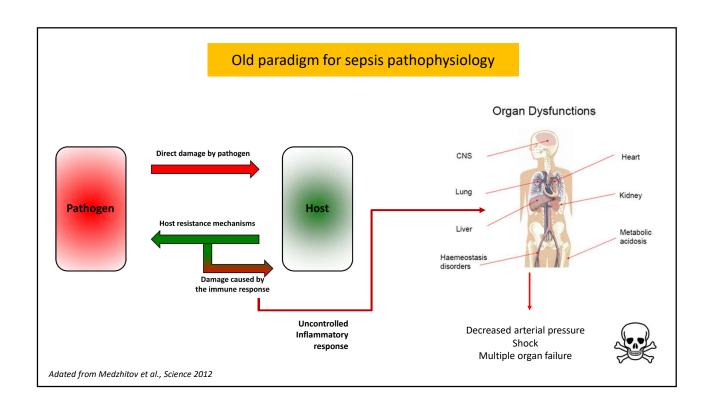
Life threatening organ dysnfunction caused by a <u>dysregulated host response</u> to infection (*i.e,* one infection + one organ failure)

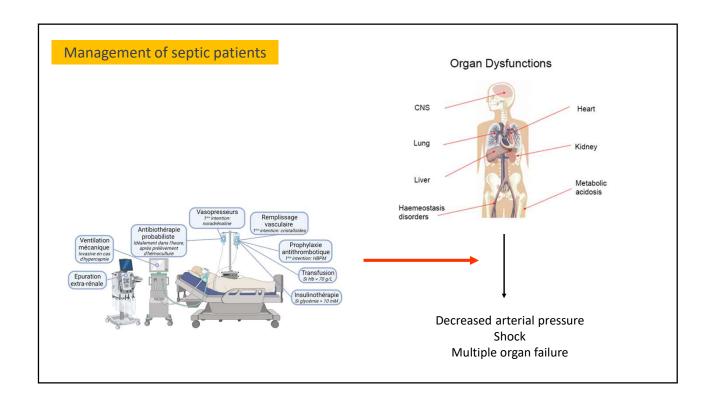
Septic shock

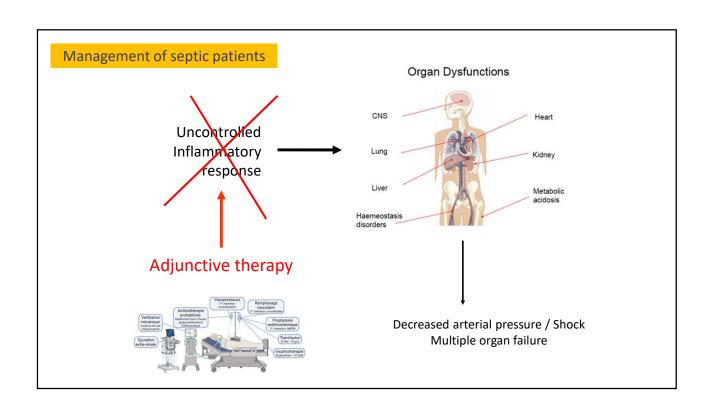
Sepsis + vasopressor therapy needed (i.e., cardiovascular failure) + Lactate > 2mmol/L

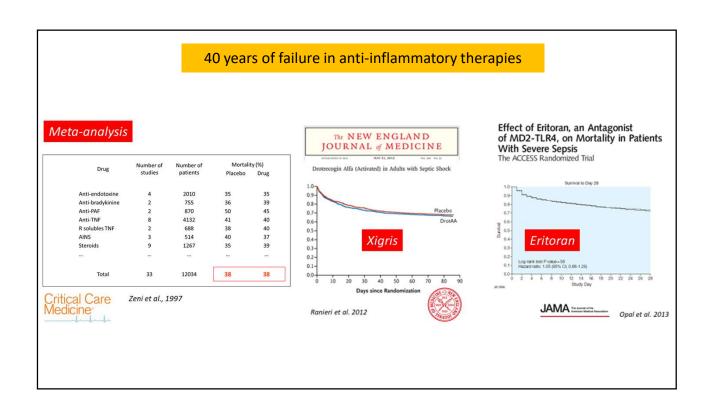
Singer et al., JAMA 2016

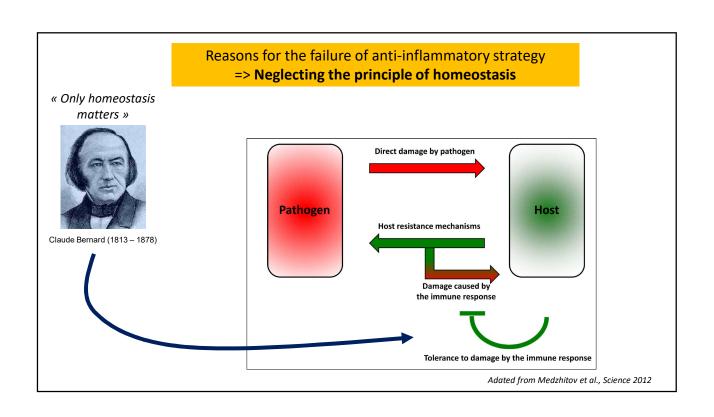


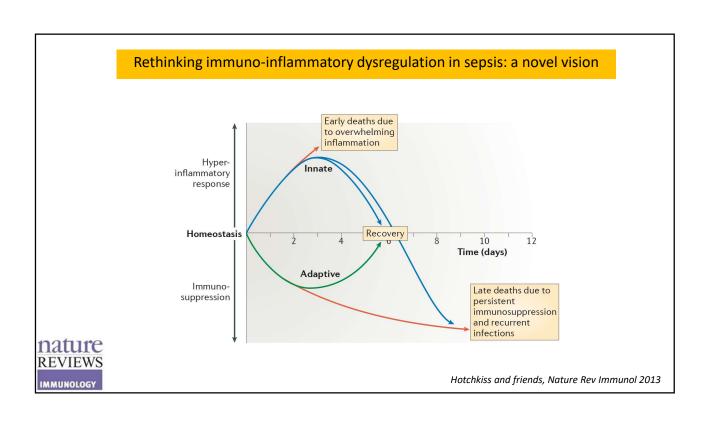


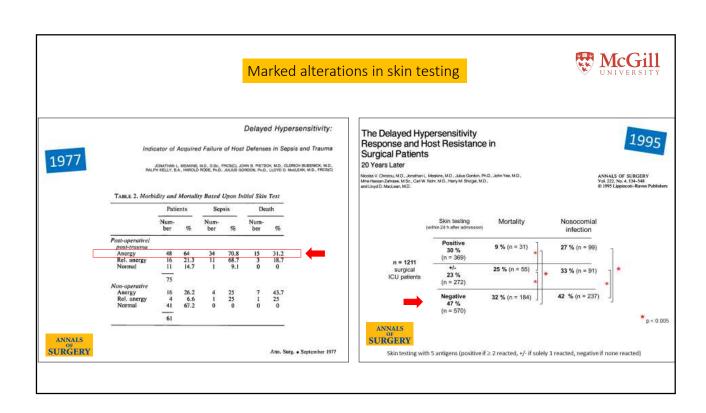


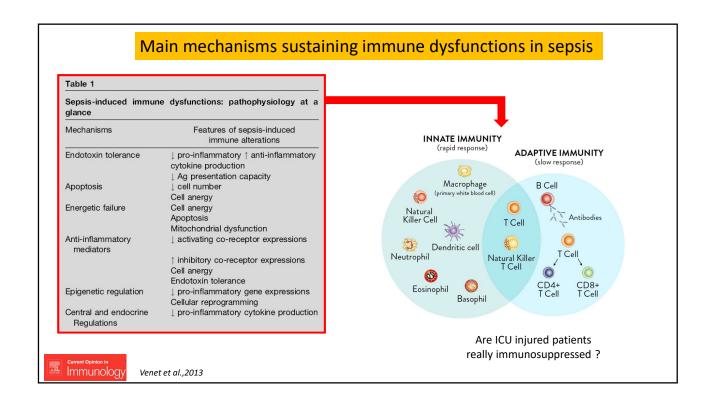


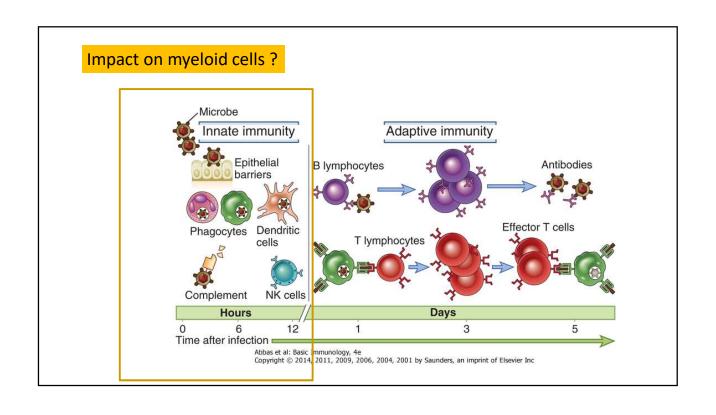


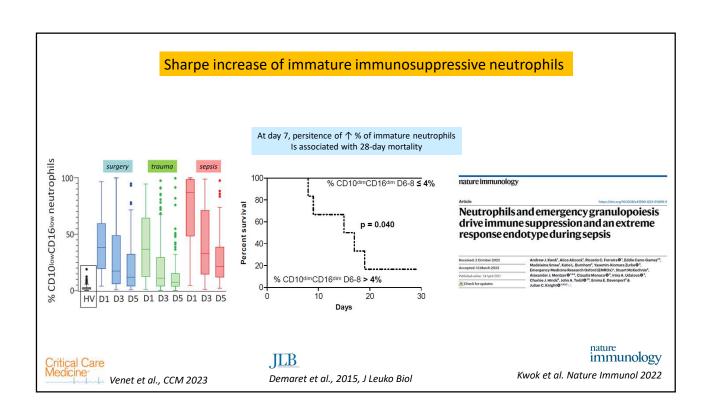


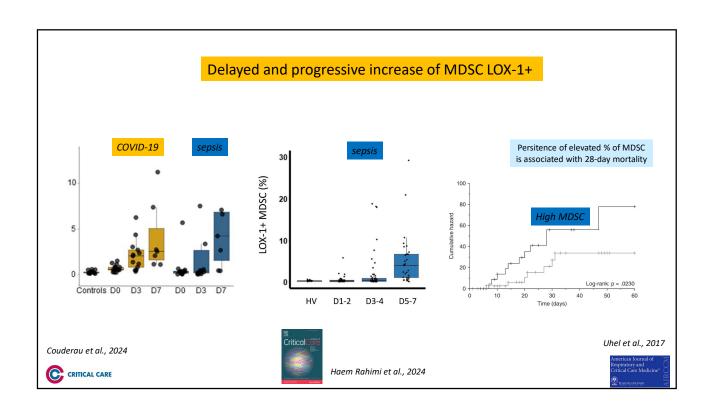


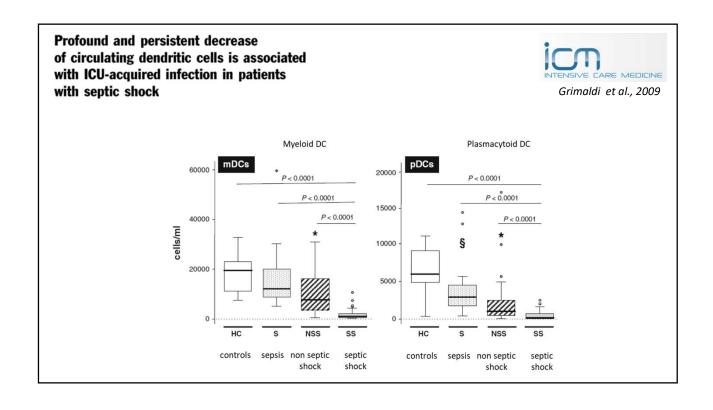


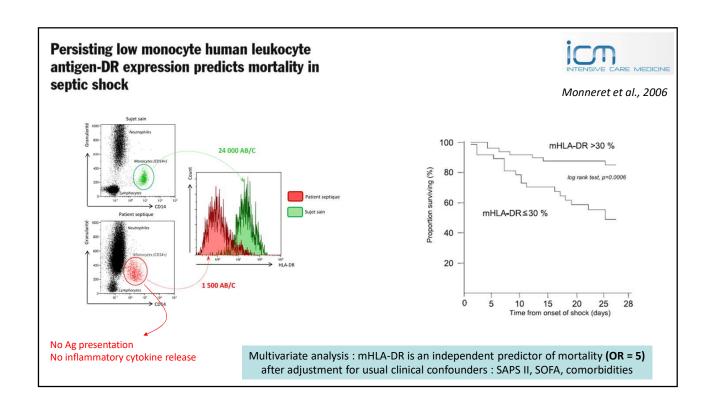


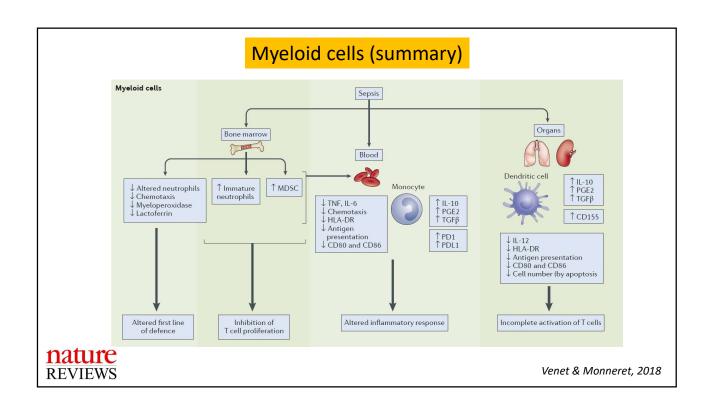


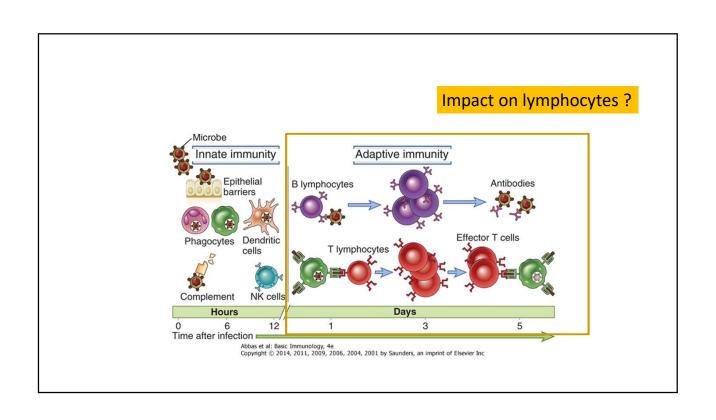


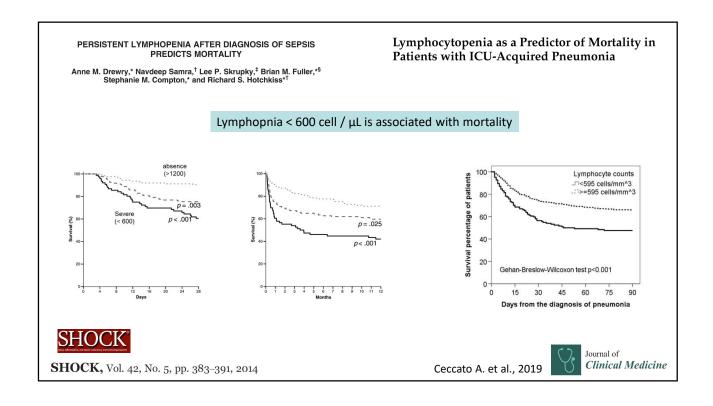


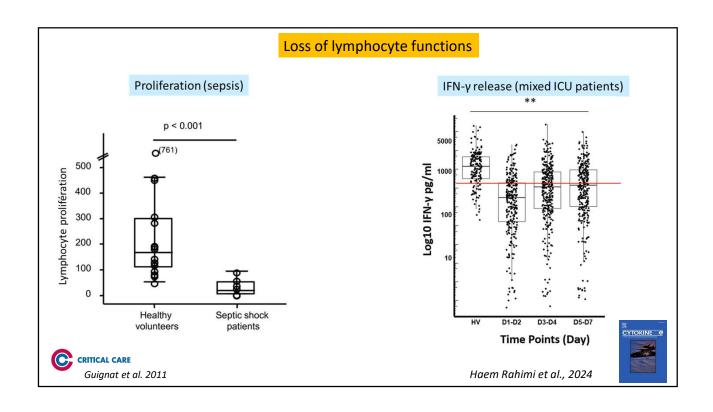


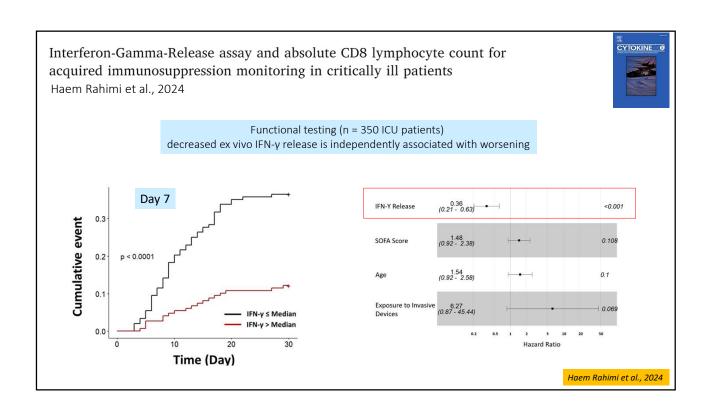


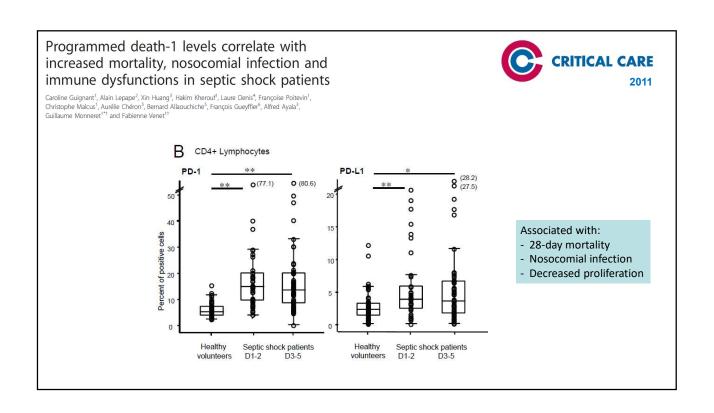


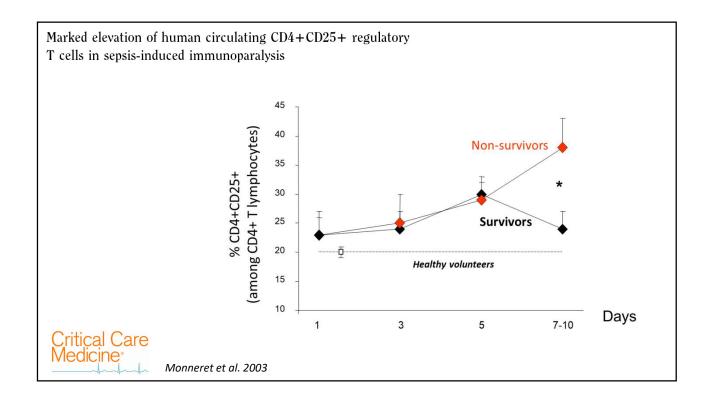


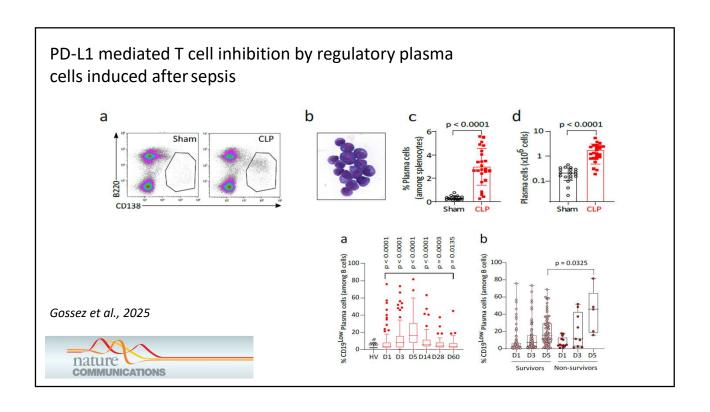


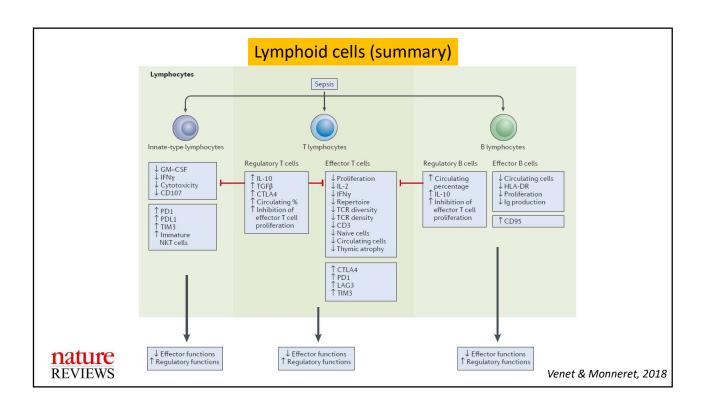


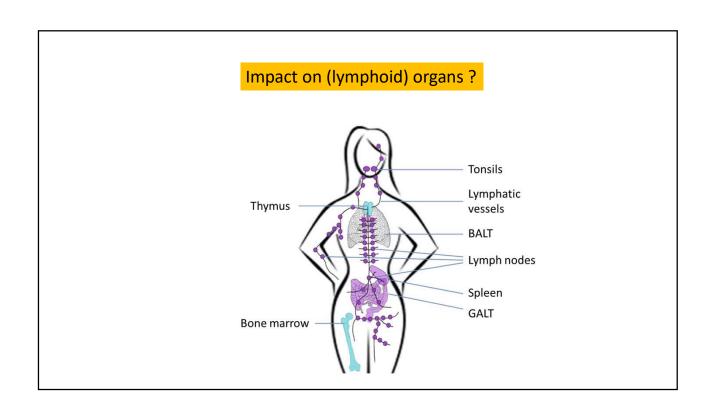


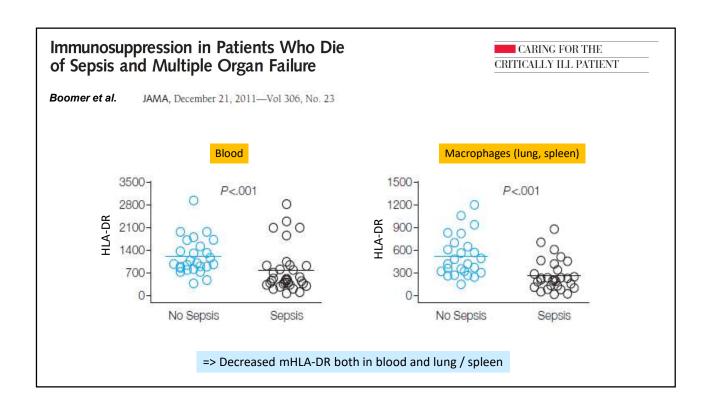


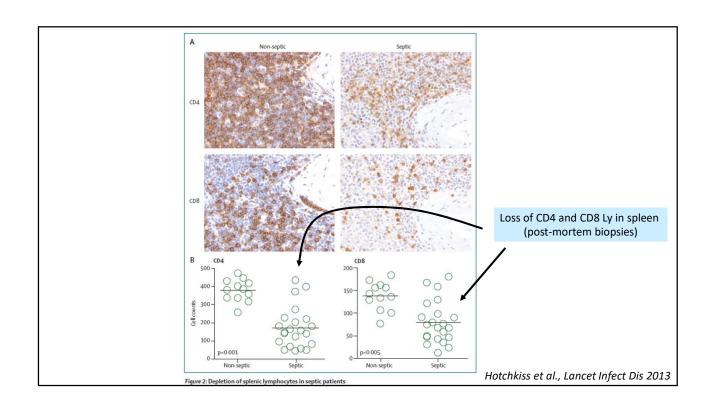


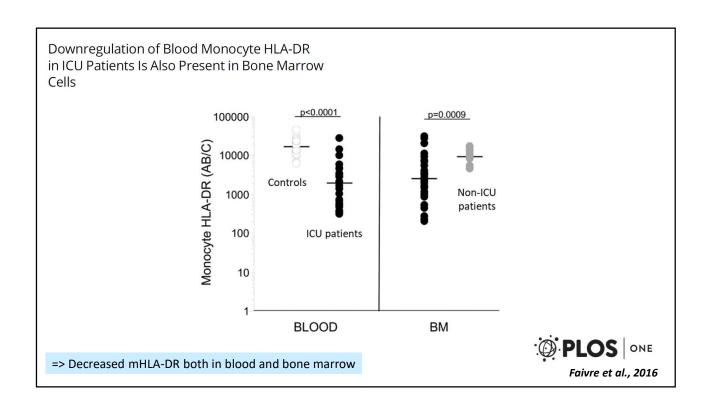


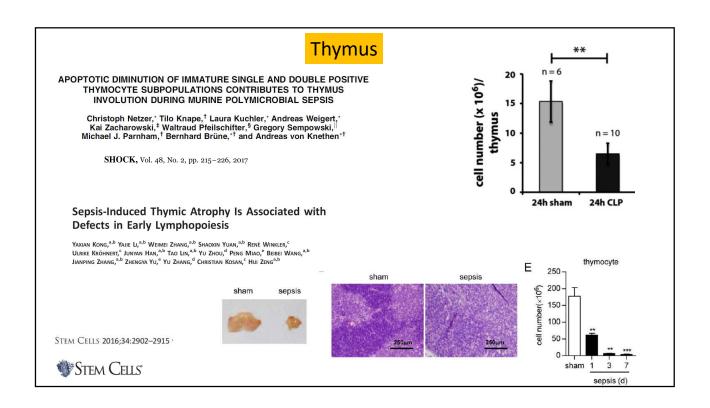


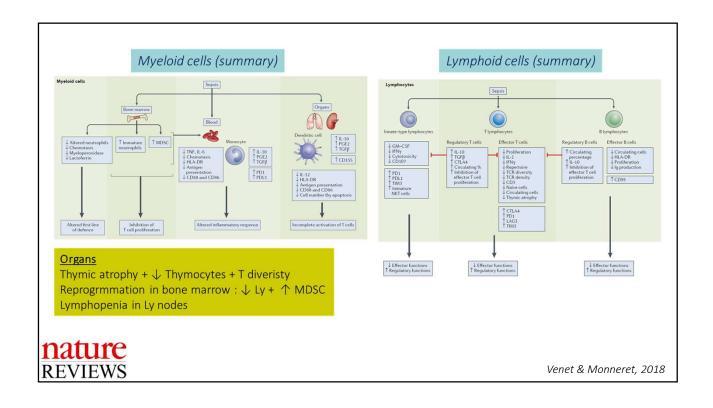


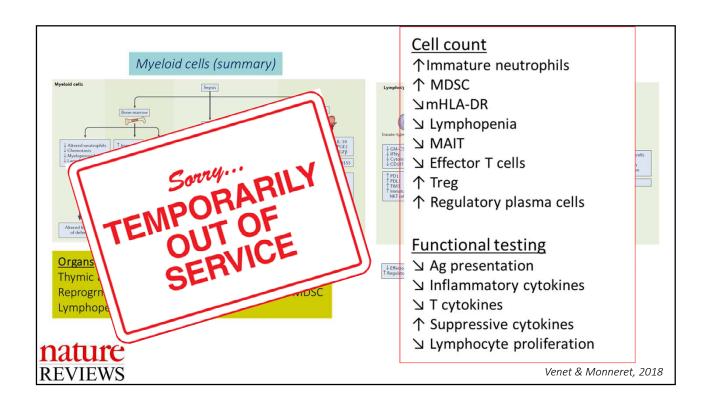












General definition of immunodepression

immune system's ability to fight infections (& cancer) is compromised or entirely absent

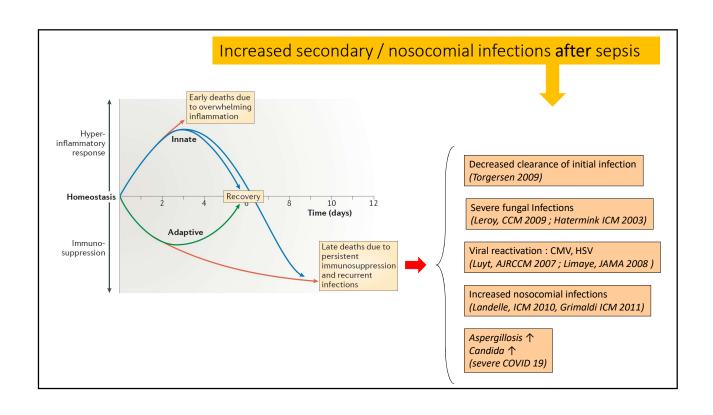
In the absence of clinical signs, immunosuppression is defined by the combination of:

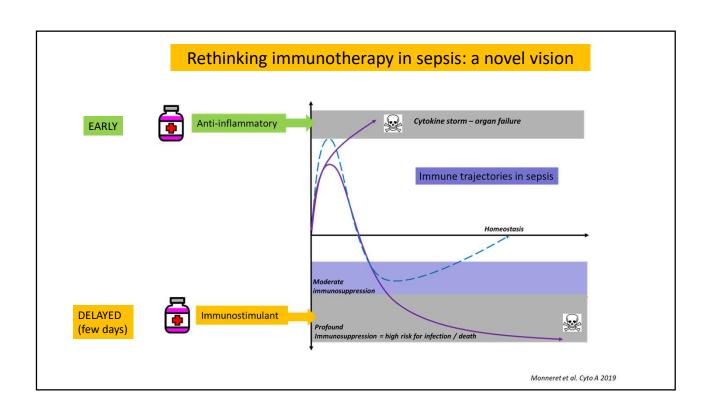
A documented alteration in any aspect of immune function (whether quantitative or qualitative, irrespective of the immune function affected or the underlying cause)

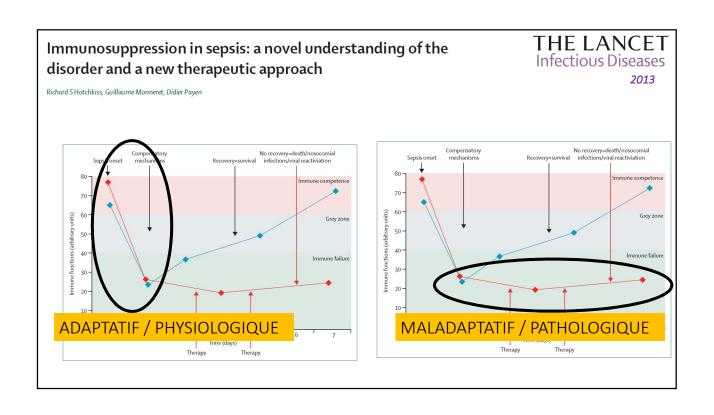
An increased occurrence of infections (according to international classification standards) within a specific patient cohort.

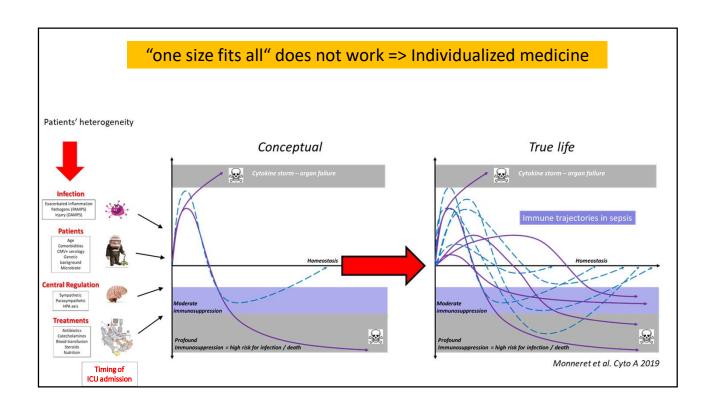
This association must be independent of clinical confounders, meaning it must persist in a multivariate analysis that accounts for potential confounding factors.

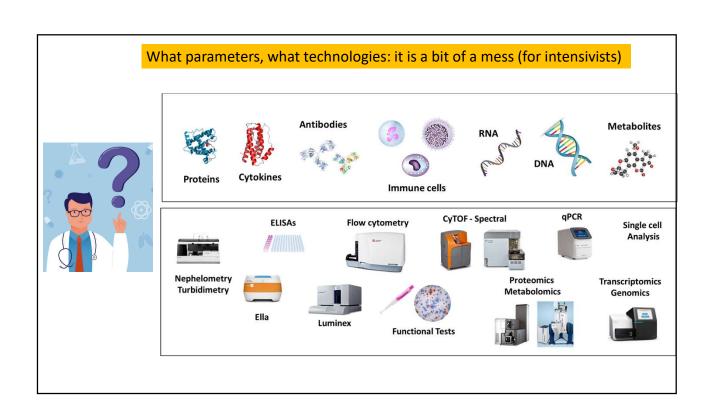
Adapted from Abbas AK et al. Cellular and Molecular Immunology. 7th edition, 2012 Chinen and Shearer, J Allergy Clin Immunol 2010 Monneret et al. Cytometry A, 2019 ; Venet et al. NY Acad Sci 2021

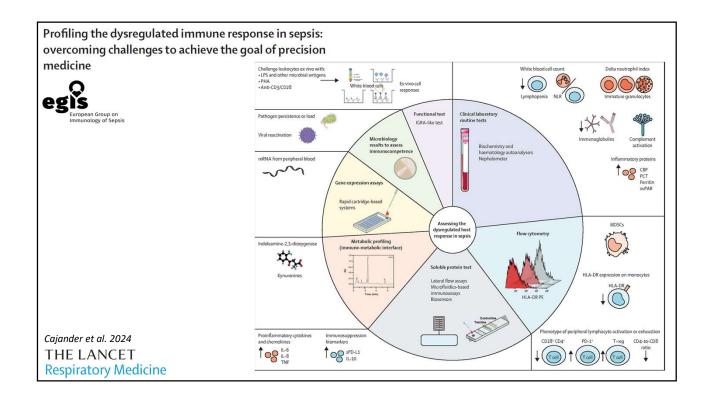


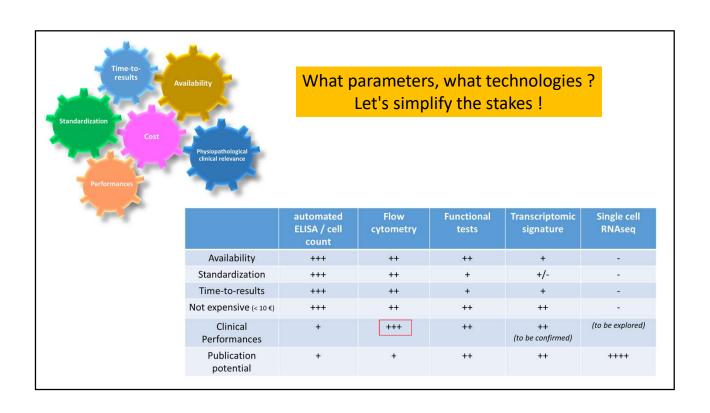


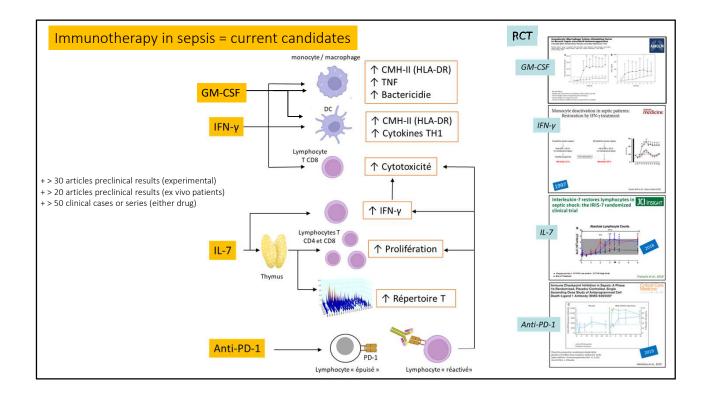


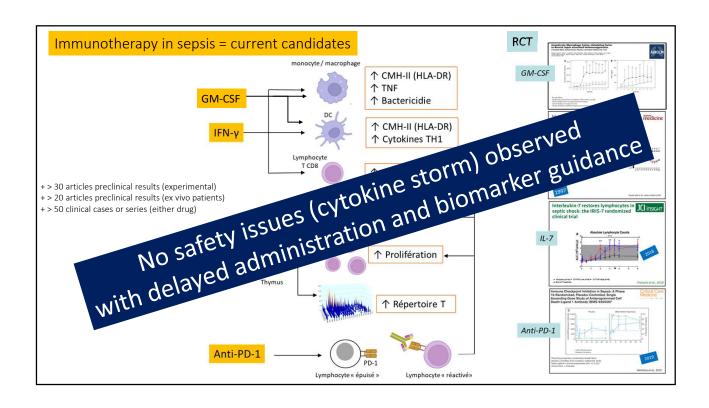


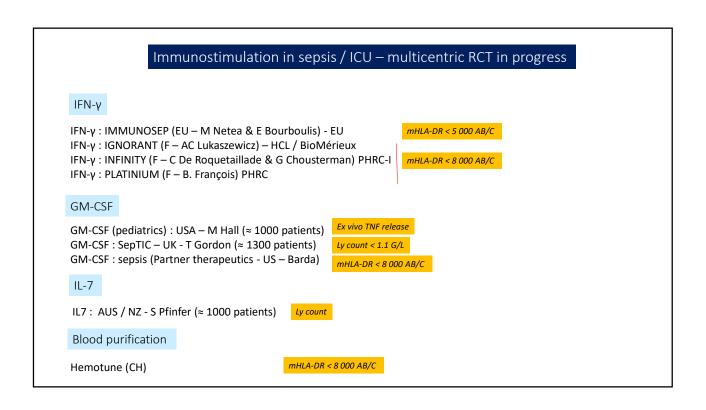


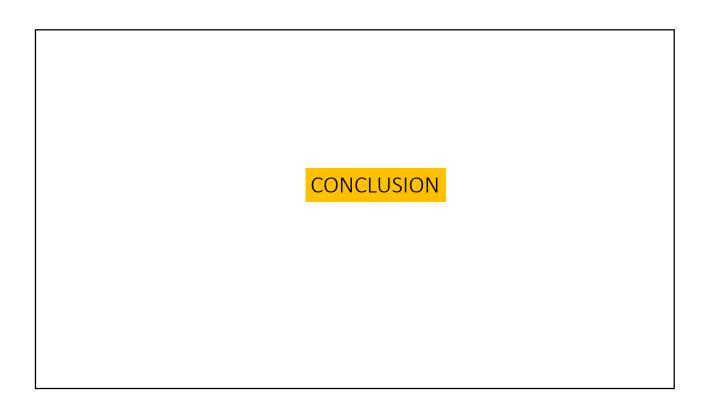














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DÉPÊCHE - Jeudi 06 janvier 2022 - 18:10

Un effort "majeur" reste à faire pour individualiser le traitement du Covid sévère

Le Pr Timsit a rappelé lors de son audition les différentes phases de la maladie: la partie virale initiale "pas très sévère", la partie immunologique qui a un effet délétère "considérable" sur l'organisme et, chez les patients les plus sévères, la phase "d'immuno-paralysie post-agressive" caractérisée par des surinfections et des complications infectieuses qui dégradent lourdement le pronostic des malades, en particulier les plus sévères.



Assemblée nationale, F, 6 janvier 2022

