

Team6 - 2025

2026-03-30

Original Articles

1 - Single cell profiling of circulating autoreactive CD4 T cells from patients with autoimmune liver diseases suggests tissue imprinting. Cardon A, Guinebretière T, Dong C, Gil L, Ado S, Gavlovsky PJ, Braud M, Danger R, Schultheiß C, Doméné A, Paul-Gilloteaux P, Chevalier C, Bernier L, Judor JP, Fourgeux C, Imbert A, Khaldi M, Bardou-Jacquet E, Elkrief L, Lannes A, Silvain C, Schnee M, Tanne F, Vavasseur F, Brusselle L, Brouard S, Kwok WW, Mosnier JF, Lohse AW, Poschmann J, Binder M, Gournay J, Conchon S, Milpied P, Renand A. **2025** *Nat Commun*. PMID [39880819](#)

2 - Predicting benefit from adjuvant therapy with corticosteroids in community-acquired pneumonia: a data-driven analysis of randomised trials. Smit JM, Van Der Zee PA, Stoof SCM, Van Genderen ME, Sniijders D, Boersma WG, Confalonieri P, Salton F, Confalonieri M, Shih MC, Meduri GU, Dequin PF, Le Gouge A, Lloyd M, Karunajeewa H, Bartminski G, Fernández-Serrano S, Suárez-Cuartín G, van Klaveren D, Briel M, Schönenberger CM, Steyerberg EW, Gommers DAMPJ, Bax HI, Bos WJW, van de Garde EMW, Wittermans E, Grutters JC, Blum CA, Christ-Crain M, Torres A, Motos A, Reinders MJT, Van Bommel J, Krijthe JH, Endeman H. **2025** *Lancet Resp Med*. PMID [39892408](#)

3 - Effect of early and later prone positioning on outcomes in invasively ventilated COVID-19 patients with acute respiratory distress syndrome: analysis of the prospective COVID-19 critical care consortium cohort study. Simpkin AJ, McNicholas BA, Hannon D, Bartlett R, Chiumello D, Dalton HJ, Gibbons K, White N, Merson L, Fan E, Panigada M, Grasselli G, Motos A, Torres A, Barbé F, Ng PY, Fanning JP, Nichol A, Suen JY, Bassi GL, Fraser JF, Laffey JG; COVID-19 Critical Care Consortium. **2025** *Ann Intensive Care*. PMID [39930162](#)

4 - Inhaled Sedation in Acute Respiratory Distress Syndrome: The SESAR Randomized Clinical Trial. Jabaudon M, Quenot JP, Badie J, Audard J, Jaber S, Rieu B, Varillon C, Monsel A, Thouy F, Lorber J, Cousson J, Bulyez S, Bourenne J, Sboui G, Lhommet C, Lemiale V, Bouhemad B, Brault C, Lasocki S, Legay F, Lebouvier T, Durand A, Pottecher J, Conia A, Brégeaud D, Velly L, Thille AW, Lambiotte F, L'Her E, Monchi M, Roquilly A, Berrouba A, Verdonk F, Chabanne R, Godet T, Garnier M, Blondonnet R, Vernhes J, Sapin V, Borao L, Futier E, Pereira B, Constantin JM; SESAR Trial Investigators. **2025** *Jama-J Am Med Assoc*. PMID [40098564](#)

5 - Progression of Kidney Fibrosis after Sepsis: The Underestimated Role of Resident Macrophages and Recruited Monocytes. de Roquetaillade C, Durand M, Beaucoté V, Guillemin J, Chadjichristos CE, Roquilly A, Chousterman BG. **2025** *J Am Soc Nephrol*. PMID [40152940](#)

6 - A phase 2 open-label pilot study of Remimazolam for sedation in critically ill patients. Grillot N, Vourc'h M, Hourmant Y, Bouras M, Rozec B, Rouhani A, Stoehr T, Jobert A, Roquilly A, Cinotti R. **2025** *Anaesth Crit Care Pa*. PMID [40174701](#)

7 - Identification and validation of robust hospital-acquired pneumonia subphenotypes associated with all-cause mortality: a multi-cohort derivation and validation. Martin FP, Poulain C, Mulier JH, Motos A, Gourain V, Ogan I, Montassier E, Launey Y, Lasocki S, Cinotti R, Dahyot Fizelier C, Ranzani O, Reyes LF, Martin-Loeches I, Derde L, Torres A, Cremer O, Roquilly A. **2025** *Intens Care Med*. PMID [40261385](#)

8 - Integrative analysis of miRNA expression profiles reveals distinct and common molecular mechanisms underlying broad diagnostic groups of severe mental disorders. Solomon P, Kaurani L, Budde M, Guiné JB, Krüger DM, Riquin K, Pena T, Burkhardt S, Fourgeux C, Adorjan K, Heilbronner M, Kalman JL, Kohshour MO, Papiol S, Reich-Erkelenz D, Schaupp SK, Schulte EC, Senner F, Vogl T, Anghelescu IG, Arolt V, Baune BT, Dannlowski U, Dietrich DE, Fallgatter AJ, Figge C, Juckel G, Konrad C, Reimer J, Reininghaus EZ, Schmauß M, Spitzer C, Wiltfang J, Zimmermann J, Schütz AL, Sananbenesi F, Sauvaget A, Falkai P, Schulze TG, Fischer A, Heilbronner U, Poschmann J. **2025** *Mol Psychiatr*. PMID [40263528](#)

9 - Disease severity across psychiatric disorders is linked to pro-inflammatory cytokines. Solomon P, Budde M, Kohshour MO, Adorja K, Heilbronner M, Navarro-Flores A, Papiol S, Reich-Erkelenz D, Schulte EC, Senner F,

- Vogl T, Kaurani L, Krüger DM, Sananbenesi F, Pena T, Burkhardt S, Schütz AL, Anghelescu IG, Arolt V, Baune BT, Dannlowski U, Dietrich DE, Fallgatter AJ, Figue C, Juckel G, Konrad C, Lang FU, Reimer J, Reininghaus EZ, Schmauß M, Spitzer C, Wiltfang J, Zimmermann J, Fischer A, Falkai P, Schulze TG, Heilbronner U, Poschmann J. **2025** *Brain Behav Immun*. PMID [40505822](#)
- 10 - b-Glucan reprograms alveolar macrophages via neutrophil/IFN axis in a murine model of lung injury. Prevel R, Pernet E, Tran KA, Sadek A, Sadeghi M, Lapshina E, Jurado LF, Kristof AS, Moumni M, Poschmann J, Divangahi M. **2025** *Elife*. PMID [40624927](#)
- 11 - Molecular Interactions Between NK Cells and Acute Leukemic Cells: KIR2DL5 Drastically Limits NK Cell Responses. Ferron E, Jullien M, Braud M, David G, Fourgeux C, Bastien M, Salameh P, Willem C, Legrand N, Walencik A, Guillaume T, Peterlin P, Garnier A, Lebourgeois A, Gagne K, Poschmann J, Chevallier P, Retière C. **2025** *J Clin Immunol*. PMID [40728766](#)
- 12 - A priori optimization of levofloxacin dose regimen based on a population pharmacokinetics model. Enard E, Grégoire M, Dailly É, Le Floch R, Lakhali K, Roquilly A, Canet E, Boutoille D, Ruffier d'Epenoux L, Corvec S, Lecomte R, Bellouard R; Nantes Anti-Microbial Agents PK/PD (NAMAP) study group. **2025** *J Antimicrob Chemoth*. PMID [40798853](#)
- 13 - Bougie versus endotracheal tube alone on first-attempt intubation success in prehospital emergency intubation in patients without predictors of difficult intubation: protocol for the BETA randomized controlled trial. Le Bastard Q, Jenvrin J, Gaultier A, Montassier E. **2025** *Trials*. PMID [40890804](#)
- 14 - Lung virome convergence precedes hospital-acquired pneumonia in intubated critically ill patients. Anani H, Destras G, Bulteau S, Castain L, Semanas Q, Burfin G, Petrier M, Martin FP, Poulain C, Dickson RP, Bressollette-Bodin C, Roquilly A, Josset L. **2025** *Cell Rep Med*. PMID [40914165](#)
- 15 - Interferon Gamma Injection and Its Effect on the Respiratory Anelloviridae Population in ICU Ventilated Patients. Bulteau S, Braud M, Petrier M, Castain L, Anani H, Peltier C, Mobuchon L, Bouras M, Flattres D, Poschmann J, Josset L, Roquilly A, Bressollette-Bodin C. **2025** *J Med Virol*. PMID [41036698](#)
- 16 - Network based simultaneous embedding of cells and marker genes from scRNA-seq studies. Bhattacharya N, Chakraborti S, Kumari S, Mathew B, Halder A, Gujral S, Gupta K, Mittal A, Sinha D, Nelson C, Chakraborty T, Ahuja G, Sengupta D. **2025** *Brief Bioinform*. PMID [41052280](#)
- 17 - BICARICU-2 Study Group. Sodium Bicarbonate for Severe Metabolic Acidemia and Acute Kidney Injury: The BICARICU-2 Randomized Clinical Trial. Jung B, Jabaudon M, De Jong A, Bitker L, Audard J, Klouche K, Sarton B, Guitton C, Lasocki S, Rieu B, Canet E, Jeantrelle C, Roquilly A, Mayaux J, Verdonk F, Pottecher J, Ferrandiere M, Riu B, Garcon P, Assefi M, Detouche P, Forel JM, Roger C, Bourenne J, Jacquier S, Bougon D, Rolle A, Corne P, Benchabane N, Richard JC, Asehnoune K, Chanques G, Reignier J, Belafia F, Fosset M, Huguet H, Futier E, Molinari N, Jaber S; **2025** *Jama-J Am Med Assoc*. PMID [41159812](#)
- 18 - Metagenome-assembled complete genome of Bohxovirus, a virulent bacteriophage involved in the prediction of hospital-acquired pneumonia in intubated critically ill patients. Anani H, Destras G, Regue H, Bulteau S, Bressollette-Bodin C, Roquilly A, Josset L **2025** *Microbiol Resour Ann*. PMID [41159973](#)
- 19 - Investigating the neuronal role of the proteasomal ATPase subunit gene PSMC5 in neurodevelopmental proteasomopathies. Küry S, Stanton JE, van Woerden GM, Bosc-Rosati A, Hsieh TC, Bray L, Oloudé M, Rosenfelt C, Scott-Boyer MP, Most V, Wang T, Papendorf JJ, de Konink C, Deb W, Vignard V, Studencka-Turski M, Besnard T, Hajdukowicz AM, Thiel FG, Wolfgramm S, Florenceau L, Cuinat S, Marsac S, Verrès Y, Dangoumau A, Poirier L, Wentzensen IM, Tuttle A, Forster C, Striesow J, Golnik R, Ortiz D, Jenkins L, Rosenfeld JA, Ziegler A, Houdayer C, Bonneau D, Torti E, Begtrup A, Monaghan KG, Mullegama SV, Volker-Touw CMLN, van Gassen KLI, Oegema R, de Pagter MS, Steindl K, Rauch A, Ivanovski I, McDonald K, Boothe E, Dauber A, Baker J, Fabie NAV, Bernier RA, Turner TN, Srivastava S, Dies KA, Swanson LC, Costin C, Abdulrazak A, Jobling RK, Pappas J, Rabin R, Niyazov D, Chun-Hui Tsai A, Kovak K, Beck DB, Malicdan MCV, Adams DR, Wolfe L, Ganetzky RD, Muraresku CC, Babikyan D, Sedláček Z, Hančárová M, Timberlake AT, Saif HA, Nestler B, King K, Hajianpour MJ, Costain G, Prendergast D, Li C, Geneviève D, Vitobello A, Sorlin A, Philippe C, Harel T, Toker O, Sabir A, Lim D, Hamilton MJ, Bryson LJ, Cleary E, Weber S, Hoffman TL, Cueto-González AM, Tizzano EF, Gómez-Andrés D, Codina-Solà M, Ververi A, Pavlidou E, Lambropoulos A, Garganis K, Rio M, Levy J, Langas SJ, McRae AM, Lessard MK, D'Agostino MD, De Bie I, Wegler M, Abou Jamra R, Kamphausen SB, Bothe V, Potocki L, Olinger E, Sznajder Y, Wiame E, Thompson ML, Schroeder MC, Gooch C, Smith RA, Pandya A, Busch LM, Völker U, Hammer E, Wende K, Cogné B, Isidor B, Meiler J, Ripoll C, Bigou S, Laumonier F, Hildebrand PW, Eichler EE, McWalter K, Krawitz PM, Roux-Dalvai F, Elgersma Y, Marcoux J, Bousquet MP, Droit A, Poschmann J, Grabrucker AM, Bolduc FV, Bézieau S, Ebstein F, Krüger E. **2025** *Nat Commun*. PMID [41298377](#)

20 - Macrophage MR1 antigen presentation promotes MAIT cell immunity and lung microbiota modulation. Deng J, Yan Y, Zhang X, Walsh CJ, Montassier E, Sinha D, Wang H, Mousavizadeh A, Ashayeripanah M, Mak JYW, Koay HF, Poch T, Alexandre YO, Mueller SN, Vasanthakumar A, Stinear TP, Jameson VJ, Perez-Gonzalez A, Kingham J, Phan TG, Potemkin N, Dryburgh L, Schroeder J, Fairlie DP, Mackay LK, Chen Z, Cook L, Hachani A, Corbett AJ, Roquilly A, Villadangos JA, McWilliam HEG. **2025** *Science*. PMID [41343603](#)

21 - Prognostic impact and safety of early adjunctive corticosteroid therapy in HIV-negative severe pneumocystis pneumonia: a propensity-matched multicentre study. Reizine F, Stiegler V, Lecuyer R, Tessoulin B, Rieul G, Camou F, Morio F, Cady A, Gabriel F, Canet E, Raffi F, Boutoille D, Issa N, Gaborit BJ; pronocystis study group. **2025** *Thorax*. PMID [41371766](#)

22 - Individualized PEEP in acute brain injury: the overlooked impact of injury heterogeneity. Iavarone IG, Grieco DL, Pellegrini M, Camporota L, Roquilly A. **2025** *Intens Care Med*. PMID [41400672](#)

23 - Viral clearance and escape during therapy of COVID-19 outpatients: A prospective cohort study. Martin-Blondel G, Burgat P, Leducq V, Porrot F, Cottignies-Calamarte A, De Cruz A, Dorival C, Romieu-Mourez R, Chaubet C, Cazaentre V, Boumaza X, Richier Q, Gaborit B, Coustilleres F, Dubée V, Ader F, Yordanov Y, Schwartz O, Marcelin AG, Lusivika-Nzinga C, Carrat F, Soulié C, Liblaur R, Bruel T; ANRS 0003S CoCoPrev Study Group. **2025** *Science*. PMID [41497402](#)

Review, Editorial, Comments

1 - Safety of steroids in severe community-acquired pneumonia. Piedepalumbo FV, Motos A, Blasi F, Torres A. **2025** *Eur Respir Rev*. PMID [39778921](#)

2 - Les macrophages « entraînés » au cours d'un sepsis favorisent l'accumulation des lymphocytes T résidents antitumoraux [Sepsis-trained macrophages promote antitumoral tissue-resident T cells]. Poschmann J, Broquet A, Roquilly A. **2025** *Med Sci*. PMID [40294292](#)

3 - New Challenges for research and science: what is at stake? *Anaesth Crit Care Pain Med*. Bouvet L, De Jong A, Benhamou D, Constantin JM, Roquilly A. **2025** *Anaesth Crit Care Pa*. PMID [40389156](#)

4 - IFN in human sepsis: a scoping review. Thomas-Rüddel D, Giamarellos-Bourboulis E, Neumann C, Briegel J, Roquilly A, Annane D, Wetzker R, Bauer M; iRECORDS study group. **2025** *Ann Intensive Care*. PMID [40762872](#)

5 - Pathophysiology and clinical applications of PEEP in acute brain injury. Iavarone IG, Rocco PRM, Grieco DL, Rosà T, Pellegrini M, Badenes R, Stevens RD, Asehnoune K, Robba C, Camporota L, Roquilly A. **2025** *Intens Care Med*. PMID [40982016](#)

6 - French guidelines on sepsis: A pragmatic frame to manage septic patients. Leone M, Bouras M, Bianchi A, Macé E, Constantin JM, Duranteau J, Gauzit R, Guidet B, Pène F, Annane D, Roquilly A. **2025** *Anaesth Crit Care Pa*. PMID [41075936](#)