

Publications 2018

**Service d'Epidémiologie Clinique HUG
&
Unité d'appui méthodologique du Centre de recherche clinique HUG/UNIGE**

sous la responsabilité du Pr T. Perneger

1. [Lipodystrophy Increases the Risk of CKD Development in HIV-Positive Patients in Switzerland: The LIPOKID Study.](#) Bouatou Y, **Gayet Ageron A**, Bernasconi E, Battegay M, Hoffmann M, Staehelin C, Merz L, Kovari H, Fux C, de Seigneux S, Calmy A; Swiss HIV Cohort Study. *Kidney Int Rep.* 2018 May 8;3(5):1089-1099. doi: 10.1016/j.ekir.2018.04.014. eCollection 2018 Sep. PMID: 30197975
2. [Molecular characterization of *Treponema pallidum* subsp. *pallidum* in Switzerland and France with a new multilocus sequence typing scheme.](#) Grillová L, Bawa T, Mikalová L, **Gayet-Ageron A**, Nieselt K, Strouhal M, Sednaoui P, Ferry T, Cavassini M, Lautenschlager S, Dutly F, Pla-Díaz M, Krützen M, González-Candelas F, Bagheri HC, Šmajš D, Arora N, Bosshard PP. *PLoS One.* 2018 Jul 30;13(7):e0200773. doi: 10.1371/journal.pone.0200773. eCollection 2018. PMID: 30059541
3. [Correction to: Impact of intravascular thrombosis on failure of radial arterial catheters in critically ill patients: a nested case-control study.](#) Fleury Y, Arroyo D, Couchepin C, Robert-Ebadi H, Righini M, Lobrinus JA, Ricou B, Delieuvain Schmitt N, **Gayet-Ageron A**. *Intensive Care Med.* 2018 May;44(5):699-700. doi: 10.1007/s00134-018-5185-x. PMID: 29846747
4. [Impact of intravascular thrombosis on failure of radial arterial catheters in critically ill patients: a nested case-control study.](#) Fleury Y, Arroyo D, Couchepin C, Robert-Ebadi H, Righini M, Lobrinus JA, Ricou B, Delieuvain Schmitt N, **Gayet-Ageron A**. *Intensive Care Med.* 2018 May;44(5):553-563. doi: 10.1007/s00134-018-5149-1. Epub 2018 Apr 2. Erratum in: *Intensive Care Med.* 2018 May 30;:PMID: 29610936
5. [A multimodal infection control and patient safety intervention to reduce surgical site infections in Africa: a multicentre, before-after, cohort study.](#) Allegranzi B, Aiken AM, Zeynep Kubilay N, Nthumba P, Barasa J, Okumu G, Mugarura R, Elobu A, Jombwe J, Maimbo M, Musowoya J, **Gayet-Ageron A**, Berenholtz SM. *Lancet Infect Dis.* 2018 May;18(5):507-515. doi: 10.1016/S1473-3099(18)30107-5. Epub 2018 Mar 5. PMID: 29519766
6. [Antifibrinolytic drugs for treating primary postpartum haemorrhage.](#) Shakur H, Beaumont D, Pavord S, **Gayet-Ageron A**, Ker K, Mousa HA. *Cochrane Database Syst Rev.* 2018 Feb 20;2:CD012964. doi: 10.1002/14651858.CD012964. Review. PMID: 29462500
7. [Avoiding late preterm deliveries to reduce neonatal complications: an 11-year cohort study.](#) Bouchet N, **Gayet-Ageron A**, Lumbreras Areta M, Pfister RE, Martinez de Tejada B. *BMC Pregnancy Childbirth.* 2018 Jan 8;18(1):17. doi: 10.1186/s12884-017-1650-8. PMID: 29310615
8. [Effect of treatment delay on the effectiveness and safety of antifibrinolytics in acute severe haemorrhage: a meta-analysis of individual patient-level data from 40 138 bleeding patients.](#) **Gayet-Ageron A**, Prieto-Merino D, Ker K, Shakur H, Ageron FX, Roberts I; Antifibrinolytic Trials Collaboration. *Lancet.* 2018 Jan 13;391(10116):125-132. doi: 10.1016/S0140-6736(17)32455-8. Epub 2017 Nov 7.
9. [Edentulous jaw impression techniques: An in vivo comparison of trueness.](#) Chebib N, Kalberer N, Srinivasan M, Maniewicz S, **Perneger T**, Müller F. *J Prosthet Dent.* 2018 Dec 20. pii: S0022-3913(18)30732-7. doi: 10.1016/j.prosdent.2018.08.016. [Epub ahead of print] PMID: 30580982

10. [Effect of implant-supported mandibular overdentures versus relines on masticatory performance and salivary flow rates in very old adults-A randomized clinical trial.](#) Maniewicz S, Duvernay E, Srinivasan M, **Perneger T**, Schimmel M, Müller F. Clin Oral Implants Res. 2018 Nov 30. doi: 10.1111/clr.13392. [Epub ahead of print] PMID:30500094
11. [ICU physicians' and internists' survival predictions for patients evaluated for admission to the intensive care unit.](#) Escher M, Ricou B, Nendaz M, Scherer F, Cullati S, Hudelson P, **Perneger T**. Ann Intensive Care. 2018 Nov 14;8(1):108. doi: 10.1186/s13613-018-0456-9. PMID:30430269
12. [Admission to intensive care: A qualitative study of triage and its determinants.](#) Escher M, Cullati S, Hudelson P, Nendaz M, Ricou B, **Perneger T**, Dayer P. Health Serv Res. 2018 Oct 25. doi: 10.1111/1475-6773.13076. [Epub ahead of print] PMID:30362106
13. [The paradox of self-rated health following joint replacement surgery.](#) **Perneger T**, Lübbecke A. Qual Life Res. 2018 Oct 15. doi: 10.1007/s11136-018-2018-x. [Epub ahead of print] PMID:30324584
14. [Utility of Rapid On-Site Cytologic Evaluation during Endobronchial Ultrasound-Guided Transbronchial Needle Aspiration in Malignant and Nonmalignant Disease.](#) Gianella P, Soccia PM, Plojoux J, Frésard I, Pache JC, **Perneger T**, Gex G. Acta Cytol. 2018;62(5-6):380-385. doi: 10.1159/000493334. Epub 2018 Sep 21. PMID: 30244239
15. [Internists' and intensivists' roles in intensive care admission decisions: a qualitative study.](#) Cullati S, Hudelson P, Ricou B, Nendaz M, **Perneger T**, Escher M. BMC Health Serv Res. 2018 Aug 8;18(1):620. doi: 10.1186/s12913-018-3438-6. PMID: 30089526
16. [Effect of an organised screening program on socioeconomic inequalities in mammography practice, knowledge and attitudes.](#) Relecom A, Arzel B, **Perneger T**. Int J Equity Health. 2018 Jul 3;17(1):95. doi: 10.1186/s12939-018-0811-3. PMID: 29970090
17. [European trends in epilepsy surgery.](#) Baud MO, **Perneger T**, Rác A, Pensel MC, Elger C, Rydenhag B, Malmgren K, Cross JH, McKenna G, Tisdall M, Lamberink HJ, Rheims S, Ryvlin P, Isnard J, Mauguière F, Arzimanoglou A, Akkol S, Deniz K, Ozkara C, Lossius M, Rektor I, Kälviäinen R, Vanhatalo LM, Dimova P, Minkin K, Staack AM, Steinhoff BJ, Kalina A, Krsek P, Marusic P, Jordan Z, Fabo D, Carrette E, Boon P, Rocka S, Mameniškienė R, Vulliemoz S, Pittau F, Braun KPJ, Seeck M. Neurology. 2018 Jul 10;91(2):e96-e106. doi: 10.1212/WNL.0000000000005776. Epub 2018 Jun 13. PMID: 29898967
18. [Detecting illegal intra-corporeal cocaine containers: Which factors influence their density?](#) Platon A, Herrera B, Becker M, **Perneger T**, Getaz L, Wolff H, Lock E, Rutschmann O, Poletti PA. Clin Imaging. 2018 Sep - Oct;51:235-239. doi: 10.1016/j.clinimag.2018.05.014. Epub 2018 May 30. PMID:29885635
19. [Prevalence, persistence and clinical correlations of classic and novel antiphospholipid antibodies in systemic lupus erythematosus.](#) Marchetti T, Ribl C, **Perneger T**, Trendelenburg M, Huynh-Do U, de Moerloose P, Chizzolini C. Rheumatology (Oxford). 2018 Aug 1;57(8):1350-1357. doi: 10.1093/rheumatology/key095. PMID: 29672737
20. [Development of a model predicting non-satisfaction 1 year after primary total knee replacement in the UK and transportation to Switzerland.](#) Garriga C, Sanchez-Santos MT, Judge A, **Perneger T**, Hannouche D, Lübbecke A, Arden NK. Sci Rep. 2018 Feb 21;8(1):3380. doi: 10.1038/s41598-018-21713-2. PMID: 29467402
21. [Near infrared transillumination compared with radiography to detect and monitor proximal caries: A clinical retrospective study.](#) Abdelaziz M, Krejci I, **Perneger T**, Feilzer A, Vazquez L. J Dent. 2018 Mar;70:40-45. doi: 10.1016/j.jdent.2017.12.008. Epub 2017 Dec 16. PMID: 29258850
22. [Obstructive sleep apnea in patients surviving acute hypercapnic respiratory failure is best predicted by static hyperinflation.](#) Adler D, **Dupuis-Lozeron E**, Janssens JP, Soccia PM, Lador F, Brochard L, Pépin JL. PLoS One. 2018 Oct 25;13(10):e0205669. doi: 10.1371/journal.pone.0205669. eCollection 2018. PMID:30359410

23. [Determination of Cardiac Output: A Game of Thrones](#). Genecand L, **Dupuis-Lozeron E**, Adler D, Lador F. *Respiration*. 2018;96(6):590. doi: 10.1159/000493272. Epub 2018 Oct 9. No abstract available. PMID: 30300892
24. [Development and validation of a simple tool for the assessment of home noninvasive ventilation: the S₃-NIV questionnaire](#). **Dupuis-Lozeron E**, Gex G, Pasquina P, Bridevaux PO, Borel JC, Soccal PM, Windisch W, Pépin JL, Janssens JP, Adler D. *Eur Respir J*. 2018 Nov 22;52(5). pii: 1801182. doi: 10.1183/13993003.011822018. Print 2018 Nov. PMID: 30262577
25. [Reply to Sorooshian and Snow. "Is Alternate-Day Therapeutic Drug Monitoring in the Intensive Care Unit Not Intensive Enough?"](#) Fournier A, Eggimann P, Pantet O, Pagani JL, **Dupuis-Lozeron E**, Pannatier A, Sadeghipour F, Voirol P, Que YA. *Antimicrob Agents Chemother*. 2018 Sep 24;62(10). pii: e01343-18. doi: 10.1128/AAC.01343-18. Print 2018 Oct. No abstract available. PMID:30249716
26. [Iterative algorithms for metal artifact reduction in children with orthopedic prostheses: preliminary results](#). Toso S, Laurent M, **Lozeron ED**, Brindel P, Lacalamita MC, Hanquinet S. *Pediatr Radiol*. 2018 Dec;48(13):1884-1890. doi: 10.1007/s00247-018-4217-6. Epub 2018 Jul 28. PMID: 30056564
27. [Severe Dyspnea Is an Independent Predictor of Readmission or Death in COPD Patients Surviving Acute Hypercapnic Respiratory Failure in the ICU](#). **Dupuis-Lozeron E**, Soccal PM, Janssens JP, Similowski T, Adler D. *Front Med (Lausanne)*. 2018 May 29;5:163. doi: 10.3389/fmed.2018.00163. eCollection 2018. PMID: 29896476
28. [Comparison of exercise intensity during four early rehabilitation techniques in sedated and ventilated patients in ICU: a randomised cross-over trial](#). Medrinal C, Combret Y, Prieur G, Robledo Quesada A, Bonnevie T, Gravier FE, **Dupuis Lozeron E**, Frenoy E, Contal O, Lamia B. *Crit Care*. 2018 Apr 27;22(1):110. doi: 10.1186/s13054-018-2030-0. PMID: 29703223
29. [Functional Electrical Stimulation-A New Therapeutic Approach to Enhance Exercise Intensity in Chronic Obstructive Pulmonary Disease Patients: A Randomized, Controlled Crossover Trial](#). Medrinal C, Prieur G, Combret Y, Quesada AR, Debeaumont D, Bonnevie T, Gravier FE, **Dupuis Lozeron E**, Quieffin J, Contal O, Lamia B. *Arch Phys Med Rehabil*. 2018 Aug;99(8):1454-1461. doi: 10.1016/j.apmr.2018.02.002. Epub 2018 Mar 7. PMID: 29524398
30. [Impact of Real-Time Therapeutic Drug Monitoring on the Prescription of Antibiotics in Burn Patients Requiring Admission to the Intensive Care Unit](#). Fournier A, Eggimann P, Pantet O, Pagani JL, **Dupuis-Lozeron E**, Pannatier A, Sadeghipour F, Voirol P, Que YA. *Antimicrob Agents Chemother*. 2018 Feb 23;62(3). pii: e01818-17. doi: 10.1128/AAC.01818-17. Print 2018 Mar. PMID: 29263079
31. [Factors Influencing the Filing of Complaints, Their Investigation, and Subsequent Legal Judgment in Cases of Sexual Assault](#). La Harpe R, Burkhardt S, Ricard-Gauthier D, **Poncet A**, Yaron M, Fracasso T. *J Forensic Sci*. 2018 Dec 17. doi: 10.1111/1556-4029.13971. [Epub ahead of print] PMID: 30556905
32. [Accuracy of whole-body HDP SPECT/CT, FDG PET/CT, and their combination for detecting bone metastases in breast cancer: an intra-personal comparison](#). Rager O, Lee-Felker SA, Tabouret-Viaud C, Felker ER, **Poncet A**, Amzalag G, Garibotto V, Zaidi H, Walter MA. *Am J Nucl Med Mol Imaging*. 2018 Jun 5;8(3):159-168. eCollection 2018. PMID: 30042868
33. [Cost-effectiveness of HLA-DQB1/HLA-B pharmacogenetic-guided treatment and blood monitoring in US patients taking clozapine](#). Girardin FR, **Poncet A**, Perrier A, Vernaz N, Pletscher M, F Samer C, Lieberman JA, Villard J. *Pharmacogenomics J*. 2018 Jan 3. doi: 10.1038/s41397-017-0004-2. [Epub ahead of print] PMID: 29298994
34. [Contraction response to muscle percussion: A reappraisal of the mechanism of this bedside test](#). Czarnetzki C, Truffert A, Mekideche A, **Poncet A**, Lysakowski C, Tramèr MR, Magistris MR. *Clin Neurophysiol*. 2018 Jan;129(1):51-58. doi: 10.1016/j.clinph.2017.10.013. Epub 2017 Oct 28. PMID: 29145167

35. [Randomized clinical trial of intraoperative parathyroid gland angiography with indocyanine green fluorescence predicting parathyroid function after thyroid surgery.](#) Vidal Fortuny J, Sadowski SM, Belfontali V, Guigard S, **Poncet A**, Ris F, Karenovics W, Triponez F. The British journal of surgery (2018). doi: 10.1002/bjs.10783
36. [Olfactory stimulation may promote oral feeding in immature newborn: a randomized controlled trial.](#) H. Cao Van, N. Guinand, E. Damis, A. L. Mansbach, A. **Poncet**, T. Hummel, B. N. Landis. European Archives of Oto-Rhino-Laryngology (2018). DOI: 10.1007/s00405-017-4796-0
37. [Validation of the corticomedullary difference in magnetic resonance imaging-derived apparent diffusion coefficient for kidney fibrosis detection: a cross-sectional study.](#) Berchtold L, Friedli I, Crowe LA, Martinez C, Moll S, Hadaya K, de Perrot T, **Combesure C**, Martin PY, Vallée JP, de Seigneux S. Nephrol Dial Transplant. 2019 Jan 4. doi: 10.1093/ndt/gfy389. [Epub ahead of print] PMID: 30608554
38. [Admission rates in emergency departments in Geneva during tennis broadcasting: a retrospective study.](#) Correia JC, Braillard O, **Combesure C**, Gerstel E, Spechbach H. BMC Emerg Med. 2018 Dec 13;18(1):56. doi: 10.1186/s12873-018-0209-y. PMID: 30545304
39. [Automatic atrial fibrillation and flutter detection by a handheld ECG recorder, and utility of sequential finger and precordial recordings.](#) Brito R, Mondouagne LP, Stettler C, **Combesure C**, Burri H. J Electrocardiol. 2018 Nov - Dec;51(6):1135-1140. doi: 10.1016/j.jelectrocard.2018.10.093. Epub 2018 Oct 18. PMID: 30497745
40. [An Intervention by a Patient-Designed Do-It-Yourself Mobile Device App Reduces HbA1c in Children and Adolescents with Type 1 Diabetes: A Randomized Double-Crossover Study.](#) Klee P, Bussien C, Castellsague M, **Combesure C**, Dirlwanger M, Girardin C, Mando JL, Perrenoud L, Salomon C, Schneider F, Schwitzgebel VM. Diabetes Technol Ther. 2018 Dec;20(12):797-805. doi: 10.1089/dia.2018.0255. Epub 2018 Nov 7. PMID:30403495
41. [Overview of model validation for survival regression model with competing risks using melanoma study data.](#) Zhang Z, Cortese G, **Combesure C**, Marshall R, Lee M, Lim HJ, Haller B; written on behalf of AME Big-Data Clinical Trial Collaborative Group. Ann Transl Med. 2018 Aug;6(16):325. doi: 10.21037/atm.2018.07.38. PMID: 30364028
42. [The diagnosis of peri-implantitis: A systematic review on the predictive value of bleeding on probing.](#) Hashim D, Cionca N, **Combesure C**, Mombelli A. Clin Oral Implants Res. 2018 Oct;29 Suppl 16:276-293. doi: 10.1111/clr.13127. Review. PMID: 30328188
43. [Dental age assessment on panoramic radiographs: Comparison between two generations of young Finnish subjects.](#) Birchler FA, Kiliaridis S, **Combesure C**, Julku J, Pirttiniemi PM, Vazquez L. J Int Med Res. 2018 Oct 8:300060518801437. doi: 10.1177/0300060518801437. [Epub ahead of print] PMID: 30293503
44. [Usefulness of a systematic approach at listing for vaccine prevention in solid organ transplant candidates.](#) Blanchard-Rohner G, Enriquez N, Lemaître B, Cadau G, **Combesure C**, Giostra E, Hadaya K, Meyer P, Gasche-Soccal PM, Berney T, van Delden C, Siegrist CA. Am J Transplant. 2018 Aug 24. doi: 10.1111/ajt.15097. [Epub ahead of print] PMID: 30144276
45. [Transcranial Doppler in the Diagnosis of Cerebral Vasospasm: An Updated Meta-Analysis.](#) Mastantuono JM, **Combesure C**, Elia N, Tramèr MR, Lysakowski C. Crit Care Med. 2018 Oct;46(10):1665-1672. doi: 10.1097/CCM.0000000000003297. PMID: 30080684
46. [Risk of Colorectal Cancer in Patients With Acute Diverticulitis: A Systematic Review and Meta-Analysis of Observational Studies.](#) Meyer J, Orci LA, **Combesure C**, Balaphas A, Morel P, Buchs NC, Ris F. Clin Gastroenterol Hepatol. 2018 Jul 26. pii: S1542-3565(18)30757-2. doi: 10.1016/j.cgh.2018.07.031. [Epub ahead of print] PMID: 30056181
47. [Long term outcome of skull-base chondrosarcoma patients treated with high-dose proton therapy with or without conventional radiation therapy.](#) Weber DC, Murray F, **Combesure C**, Calugaru V, Alapetite C, Albertini F, Bolle S, Goudjil F, Pica A, Walsler M, Mammari H, Bachtary B, Lomax T, Noël G, Dendale R, Feuvret L. Radiother Oncol. 2018 Dec;129(3):520-526. doi: 10.1016/j.radonc.2018.06.040. Epub 2018 Jul 17. PMID: 30021697

48. [Performance of smartphone-based digital images for cervical cancer screening in a low-resource context.](#) Tran PL, Benski C, Viviano M, Petignat P, **Combesure C**, Jinoro J, Herinianasolo JL, Vassilakos P. Int J Technol Assess Health Care. 2018 Jan;34(3):337-342. doi: 10.1017/S0266462318000260. Epub 2018 Jun 20. PMID: 29921339
49. [Determinants of antibody persistence across doses and continents after single-dose rVSV-ZEBOV vaccination for Ebola virus disease: an observational cohort study.](#) Huttner A, Agnandji ST, **Combesure C**, Fernandes JF, Bache EB, Kabwende L, Ndungu FM, Brosnahan J, Monath TP, Lemaître B, Grillet S, Botto M, Engler O, Portmann J, Siegrist D, Bejon P, Silvera P, Kreamsner P, Siegrist CA; VEBCON; VSV-EBOVAC; VSV-EBOPLUS Consortia. Lancet Infect Dis. 2018 Jul;18(7):738-748. doi: 10.1016/S1473-3099(18)30165-8. Epub 2018 Apr 5. PMID: 29627147
50. [Younger age and in situ duration of peripheral intravenous catheters were risk factors for extravasation in a retrospective paediatric study.](#) Fonzo-Christe C, Parron A, **Combesure C**, Rimensberger PC, Pfister RE, Bonnabry P. Acta Paediatr. 2018 Jul;107(7):1240-1246. doi: 10.1111/apa.14280. Epub 2018 Mar 24. PMID: 29461646
51. [Development of a Simple Preoperative Risk Score for Persistent Pain After Breast Cancer Surgery: A Prospective Observational Cohort Study.](#) Dereu D, Savoldelli GL, **Combesure C**, Mathivon S, Rehberg B. Clin J Pain. 2018 Jun;34(6):559-565. doi: 10.1097/AJP.0000000000000575.
52. [Local recurrence of squamous cell carcinoma of the head and neck after radio\(chemo\)therapy: Diagnostic performance of FDG-PET/MRI with diffusion-weighted sequences.](#) Becker M, Varoquaux AD, **Combesure C**, Rager O, Pusztaszeri M, Burkhardt K, Delattre BMA, Dulguerov P, Dulguerov N, Katirtzidou E, Caparrotti F, Ratib O, Zaidi H, Becker CD. Eur Radiol. 2018 Feb;28(2):651-663. doi: 10.1007/s00330-017-4999-1. Epub 2017 Aug 15. PMID:28812148
53. [Standardized and weighted time-dependent receiver operating characteristic curves to evaluate the intrinsic prognostic capacities of a marker by taking into account confounding factors.](#) Le Borgne F, **Combesure C**, Gillaizeau F, Giral M, Chapal M, Giraudeau B, Foucher Y. Stat Methods Med Res. 2018 Nov;27(11):3397-3410. doi: 10.1177/0962280217702416. Epub 2017 Jun 20. PMID: 28633603
54. [Iterative algorithms for metal artifact reduction in children with orthopedic prostheses: preliminary results.](#) Toso S, Laurent M, Lozeron ED, **Brindel P**, Lacalamita MC, Hanquinet S. Pediatr Radiol. 2018 Dec;48(13):1884-1890. doi: 10.1007/s00247-018-4217-6. Epub 2018 Jul 28. PMID: 30056564
55. [Descriptive epidemiology of parkinsonism in the Canton of Geneva, Switzerland.](#) Fleury V, **Brindel P**, Nicastro N, Burkhard PR. Parkinsonism Relat Disord. 2018 Sep;54:30-39. doi: 10.1016/j.parkreldis.2018.03.030. Epub 2018 Apr 9. PMID:29661694
56. [Respiratory changes in subclavian vein diameters predicts fluid responsiveness in intensive care patients: a pilot study.](#) Giraud R, Abraham PS, **Brindel P**, Siegenthaler N, Bendjelid K. J Clin Monit Comput. 2018 Dec;32(6):1049-1055. doi: 10.1007/s10877-018-0103-x. Epub 2018 Jan 29. PMID: 29380189