

November 2020
COVID19 Issue of
Prehospital Emergency Services Current Awareness Bulletin
With thanks to Matt Holland, LKS ASE Librarian

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Articles are OPEN ACCESS unless otherwise stated

Brewster, D. J., Begley, J. L., & Marshall, S. D. (2020). Rise and fall of the aerosol box; and what we must learn from the adoption of untested equipment. *Emergency Medicine Journal*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Caban-Martinez AJ, et al. . (2020). Epidemiology of SARS-CoV-2 antibodies among firefighters/paramedics of a US fire department: a cross-sectional study. *Occupational and environmental medicine*, 77(12).
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- National Audit Office. (2020). The supply of personal protective equipment (PPE) during the COVID-19 pandemic - National Audit Office (NAO) Report. <https://www.nao.org.uk/press-release/the-supply-of-personal-protective-equipment-ppe-during-the-covid-19-pandemic/>
- Şan, İ., Usul, E., Bekgöz, B. and Korkut, S. (2020), Effects of COVID-19 pandemic on emergency medical services. *International Journal of Clinical Practice*. Accepted Author Manuscript e13885. <https://doi.org/10.1111/ijcp.13885>
- Tsukahara, K., Naito, H., Nojima, T. et al. Feasibility study of a portable transparent vinyl chloride shield for use in an ambulance during the COVID-19 pandemic. *Crit Care* 24, 651 (2020). <https://doi.org/10.1186/s13054-020-03381-9>
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- Westafer, L. M. (2020). No evidence of increasing COVID-19 in health care workers after implementation of high flow nasal cannula: A safety evaluation - *The American Journal of Emergency Medicine*. *American Journal of Emergency Medicine*. <https://doi.org/doi:10.1016/j.ajem.2020.09.086>

Patient Groups

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- Dolci, Andrea et al. (2020). The Epidemiology of Fractures and Musculo-Skeletal Traumas During COVID-19 Lockdown: A Detailed Survey of 17.591 Patients in a Wide Italian Metropolitan Area. *Geriatric orthopaedic surgery & rehabilitation*, 11. <https://doi.org/10.1177/2151459320972673>

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Prehospital Research – Methods and Discussion

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Helicopter Emergency Medical Services (HEMS) and Air Medical

All articles are OPEN ACCESS

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Bascetta, T., et al. (2020). Air Medical Transport of Patients Diagnosed with Confirmed COVID-19 Infection Undergoing Extracorporeal Membrane Oxygenation (ECMO). A Case Review and Lessons Learned. *Air Medical Journal*, 0(0). <https://doi.org/10.1016/j.amj.2020.11.015>

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Diagnosis and Triage

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Available [here](#) to College of Paramedics members. Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

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- Watchmaker, J. M., et al. (2020). Increased Incidence of Acute Pulmonary Embolism in Emergency Department Patients During the COVID-19 Pandemic. *Academic Emergency Medicine*.
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On-Scene Interventions

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Airway Management, Resuscitation & CPR

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Vaccine Clinical Trials

List of ongoing and completed trials of the vaccines:

<https://www.clinicaltrials.gov/ct2/results?cond=&term=ChAdOx1&cntry=&state=&city=&dist=>

Pfizer BNT162b2

20 November - [Pfizer and biontech to submit emergency use authorization request today to the u.s. fda for covid-19 vaccine](#) – see also [our progress in developing a potential covid-19 vaccine](#) (updated 30 November, including data on trial locations)

20 November – BMJ - News - [Covid-19: Pfizer and BioNTech submit vaccine for US authorisation](#)

18 November – Press Release - [Pfizer and BioNTech Conclude Phase 3 Study of COVID-19 Vaccine Candidate, Meeting All Primary Efficacy Endpoints](#)

clinicaltrials.gov registration (<https://clinicaltrials.gov/ct2/show/NCT04537949>)

Pfizer protocol (https://pfe-pfizercom-d8-prod.s3.amazonaws.com/2020-09/C4591001_Clinical_Protocol.pdf)

See also 12 August Nature - [Phase I/II study of COVID-19 RNA vaccine BNT162b1 in adults](#)

A German article: https://ichgcp.net/de/clinical-trials-registry/NCT04380701#google_vignette

Polack, F. P., et al. (2020). Safety and Efficacy of the BNT162b2 mRNA Covid-19 Vaccine [research-article]. New England Journal of Medicine. <https://www.nejm.org/doi/full/10.1056/NEJMoa2034577>

University of Oxford & AstraZeneca vaccine (ChAdOx1 nCoV-19)

[Summary of the COVID-19 Oxford Vaccine Trial](#)

[AZD1222 vaccine met primary efficacy endpoint in preventing COVID-19](#) - press release from **AstraZeneca**

[Safety and immunogenicity of ChAdOx1 nCoV-19 vaccine administered in a prime-boost regimen in young and old adults \(COV002\): a single-blind, randomised, controlled, phase 2/3 trial](#) – The Lancet, Published: November 18, 2020

[Safety and immunogenicity of the ChAdOx1 nCoV-19 vaccine against SARS-CoV-2: a preliminary report of a phase 1/2, single-blind, randomised controlled trial](#) – The Lancet, Published: July 20, 2020

[Evaluation of the immunogenicity of prime-boost vaccination with the replication-deficient viral vectored COVID-19 vaccine candidate ChAdOx1 nCoV-19](#) – NPJ Vaccines, Published online 2020 Jul 27.

[ChAdOx1 nCoV-19 vaccine prevents SARS-CoV-2 pneumonia in rhesus macaques](#) – Nature, Published: 30 July 2020

Protocol – (27 March, updated 18 November) -
<https://www.clinicaltrials.gov/ct2/show/NCT04324606>

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[https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)32661-1/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)32661-1/fulltext)