



## Digest: Covid19 research

Research studies, systematic reviews and expert commentaries sourced from [LitCovid](#) & compiled by the RCSLT research team. Please send article references to [katie.chadd@rcslt.org](mailto:katie.chadd@rcslt.org) for inclusion in the next update.

21 May 2020- 27 May 2020

### **Research, Data and Informatics**

Bostanciklioglu, M. (2020). [Severe acute respiratory syndrome coronavirus 2 is penetrating to dementia research](#). Current Neurovascular Research, 17.

Gewin, V. (2020). [Six tips for data sharing in the age of the coronavirus](#). Nature.

Herzberg, M. (2020). [A COVID-19 Rapid-Response Research Agenda](#). JDR Clinical & Translational Research, p.238008442093068.

Holmgren, A., Apathy, N. & Adler-Milstein, J. (2020). [Barriers to Hospital Electronic Public Health Reporting & Implications for the COVID-19 Pandemic](#). Journal of the American Medical Informatics Association.

Keshavan, M. (2020). [Pandemics & psychiatry: Repositioning research in context of COVID-19](#). Asian Journal of Psychiatry, 51, p.102159.

Ma, X., Wang, Y., Gao, T., He, Q., He, Y., Yue, R., You, F. & Tang, J. (2020). [Challenges & strategies to research ethics in conducting COVID-19 research](#). Journal of Evidence-Based Medicine.

McLennan, S., Celi, L. & Buyx, A. (2020). [COVID-19: Putting the GDPR to the test \(Preprint\)](#). JMIR Public Health & Surveillance.

Schulz, W., Durant, T., Torre Jr, C., Hsiao, A. & Krumholz, H. (2020). [Agile Healthcare Analytics: Enabling Real-Time Disease Surveillance with a Computational Health Platform \(Preprint\)](#). Journal of Medical Internet Research.

Schutte, D. (2020). [Research Goals During & Beyond the COVID-19 Pandemic: Reframing Older Adults as Essential & Priceless](#). Research in Gerontological Nursing, 13(3), pp.118-119.

### **Stroke**

Barrios-López, J., Rego-García, I., Muñoz Martínez, C., Romero-Fábrega, J., Rivero Rodríguez, M., Ruiz Giménez, J., Escamilla-Sevilla, F., Mínguez-Castellanos, A. & Fernandez Pérez, M. (2020). [Ictus isquémico e infección por SARS-CoV-2, ¿asociación casual o causal?](#). Neurología.



- Kurz, M., Ospel, J., Daehli Kurz, K. & Goyal, M. (2020). [Improving Stroke Care in Times of the COVID-19 Pandemic Through Simulation](#). Stroke.
- Liu, L., Wang, D., Brainin, M., Elkind, M., Leira, E. & Wang, Y. (2020). [Approaches to global stroke care during the COVID-19 pandemic](#). Stroke & Vascular Neurology, pp.svn-2020-000429.
- Lugnan, C., Tommasini, V., Furlanis, G., Naccarato, M., Caruso, P., Scali, I., Buoite Stella, A., Ajčević, M., Cillotto, T. & Manganotti, P. (2020). [Lung ultrasonography in COVID-19: a gamechanger in the Stroke Unit?](#) European Journal of Neurology.
- Meyer, D., Meyer, B., Rapp, K., Modir, R., Agrawal, K., Hailey, L., Mortin, M., Lane, R., Ranasinghe, T., Sorace, B., von Kleist, T., Perrinez, E., Nabulsi, M. & Hemmen, T. (2020). [A Stroke Care Model at an Academic, Comprehensive Stroke Center During the 2020 COVID-19 Pandemic](#). Journal of Stroke & Cerebrovascular Diseases, p.104927.
- Morassi, M., Bagatto, D., Cobelli, M., D'Agostini, S., Gigli, G., Bnà, C. & Vogrig, A. (2020). [Stroke in patients with SARS-CoV-2 infection: case series](#). Journal of Neurology.
- Qureshi, A., Abd-Allah, F., Al-Senani, F., Aytac, E., Borhani-Haghighi, A., Ciccone, A., Gomez, C., Gurkas, E., Hsu, C., Jani, V., Jiao, L., Kobayashi, A., Lee, J., Liaqat, J., Mazighi, M., Parthasarathy, R., Miran, M., Steiner, T., Toyoda, K., Ribo, M., Gongora-Rivera, F., Oliveira-Filho, J., Uzun, G. & Wang, Y. (2020). [Management of acute ischemic stroke in patients with COVID-19 infection: Insights from an international panel](#). The American Journal of Emergency Medicine.
- Rudilosso, S., Laredo, C., Vera, V., Vargas, M., Renú, A., Llull, L., Obach, V., Amaro, S., Urra, X., Torres, F., Jiménez-Fàbrega, F. & Chamorro, Á. (2020). [Acute Stroke Care Is at Risk in the Era of COVID-19](#). Stroke.
- Teo, K., Leung, W., Wong, Y., Liu, R., Chan, A., Choi, O., Kwok, W., Leung, K., Tse, M., Cheung, R., Tsang, A. & Lau, K. (2020). [Delays in Stroke Onset to Hospital Arrival Time During COVID-19](#). Stroke.
- Zhao, J., Li, H., Kung, D., Fisher, M., Shen, Y. & Liu, R. (2020). [Impact of the COVID-19 Epidemic on Stroke Care & Potential Solutions](#). Stroke.

### **Neurological Conditions**

- Andrews, J., Berry, J., Baloh, R., Carberry, N., Cudkowicz, M., Dedi, B., Glass, J., Maragakis, N., Miller, T., Paganoni, S., Rothstein, J., Shefner, J., Simmons, Z., Weiss, M. & Bedlack, R. (2020). [Amyotrophic Lateral Sclerosis Care & Research in the USA During the COVID 19 Pandemic](#): Challenges & Opportunities. Muscle & Nerve.



Acharya, A., Kevadiya, B., Gendelman, H. & Byrareddy, S. (2020). [SARS-CoV-2 Infection Leads to Neurological Dysfunction](#). Journal of Neuroimmune Pharmacology.

Cilia, R., Bonvegna, S., Straccia, G., Nico, G., Elia, A., Romito, L., Devigili, G., Cereda, E. & Eleopra, R. (2020). [Effects of COVID-19 on Parkinson's disease clinical features: a community based case control study](#). Movement Disorders.

Gigli, G., Bax, F., Marini, A., Pellitteri, G., Scalise, A., Surcinelli, A. & Valente, M. (2020). [Guillain-Barré syndrome in the COVID-19 era: just an occasional cluster?](#). Journal of Neurology.

Gupta, A., Paliwal, V. & Garg, R. (2020). [Is COVID-19-related Guillain-Barré syndrome different?](#). Brain, Behavior, & Immunity.

Leonardi, M., Padovani, A. & McArthur, J. (2020). [Neurological manifestations associated with COVID-19: a review & a call for action](#). Journal of Neurology.

### **Telehealth**

Al Hussona, M., Maher, M., Chan, D., Micieli, J., Jain, J., Khosravani, H., Izenberg, A., Kassardjian, C. & Mitchell, S. (2020). [The Virtual Neurologic Exam: Instructional videos & guidance for the COVID-19 era](#). Canadian Journal of Neurological Sciences / Journal Canadien des Sciences Neurologiques, pp.1-22.

De Marchi, F., Cantello, R., Ambrosini, S. & Mazzini, L. (2020). [Telemedicine & technological devices for amyotrophic lateral sclerosis in the era of COVID-19](#). Neurological Sciences.

D'Haeseleer, M., Eelen, P., Sadeghi, N., D'Hooghe, M., Van Schependom, J. & Nagels, G. (2020). [Feasibility of real-time internet-based teleconsultation in patients with multiple sclerosis: interventional pilot study](#) (Preprint). Journal of Medical Internet Research

Gilbert, A., Billany, J., Adam, R., Martin, L., Tobin, R., Bagdai, S., Galvin, N., Farr, I., Allain, A., Davies, L. & Bateson, J. (2020). [Rapid implementation of virtual clinics due to COVID-19: report & early evaluation of a quality improvement initiative](#). BMJ Open Quality, 9(2), p.e000985.

Kannampallil, T. & Ma, J. (2020). [Digital Translucence: Adapting Telemedicine Delivery Post-COVID-19](#). Telemedicine & e-Health.

Pereira, R. (2020). [Participating in telehealth is a complex occupation](#). Australian Occupational Therapy Journal.

Punia, V., Nasr, G., Zagorski, V., Lawrence, G., Fesler, J., Nair, D. & Najm, I. (2020). [Evidence of a Rapid Shift in Outpatient Practice During the COVID-19 Pandemic Using Telemedicine](#). Telemedicine & e-Health.



Rubulotta, F., Soliman-Aboumarie, H., Filbey, K., Geldner, G., Kuck, K., Ganau, M. & Hemmerling, T. (2020). [Technologies to optimize the care of severe COVID-19 patients for healthcare providers challenged by limited resources](#). *Anesthesia & Analgesia*, p.1.

Triana, A., Gusdorf, R., Shah, K. & Horst, S. (2020). [Technology Literacy as a Barrier to Telehealth During COVID-19](#). *Telemedicine & e-Health*.

### **Tracheostomy & Airway Management**

Parekh, R. & Lai, Y. (2020). [COVID-19 patients for tracheostomy: Anesthetic & team considerations](#). *Journal of Clinical Anesthesia*, 65, p.109883.

Rubano, J., Jasinski, P., Rutigliano, D., Tassiopoulos, A., Davis, J., Beg, T., Poovathoor, S., Bergese, S., Ahmad, S., Jawa, R., Vosswinkel, J. & Talamini, M. (2020). [Tracheobronchial Slough, a Potential Pathology in Endotracheal Tube Obstruction in Patients With Coronavirus Disease 2019 \(COVID-19\) in the Intensive Care Setting](#). *Annals of Surgery*, p.1.

Sibert, K., Long, J. & Haddy, S. (2020). [Extubation & the Risks of Coughing & Laryngospasm in the Era of Coronavirus Disease-19 \(COVID-19\)](#). *Cureus*.

Szarpak, L., Drozd, A. & Smereka, J. (2020). [Airway management & ventilation principles in COVID-19 patients](#). *Journal of Clinical Anesthesia*, 65, p.109877.

Tal-Singer, R., Yawn, B., Wise, R., Thomashow, B. & Boyce, D. (2020). [The COPD Foundation Coronavirus Disease 2019 International Medical Experts Survey: Results](#). *Chronic Obstructive Pulmonary Diseases: Journal of the COPD Foundation*, 7(3).

Vargas, M., Russo, G., Iacovazzo, C. & Servillo, G. (2020). [Modified percutaneous tracheostomy in COVID -19 critically ill patients](#). *Head & Neck*.

Yang, S., Zhang, M. & Chong, J. (2020). [Comparison of three tracheal intubation methods for reducing droplet spread for use in COVID-19 patients](#). *British Journal of Anaesthesia*.

### **Clinical Information**

Albutt, K., Luckhurst, C., Alba, G., Hechi, M., Mokhtari, A., Breen, K., Wing, J., Akeju, O., Kalva, S., Mullen, J., Lillemoe, K. & Kaafarani, H. (2020). [Design & Impact of a COVID-19 Multidisciplinary Bundled Procedure Team](#). *Annals of Surgery*, p.1.

AL-Maweri, S., Halboub, E. & Warnakulasuriya, S. (2020). [Impact of COVID-19 on the early detection of oral cancer: A special emphasis on high risk populations](#). *Oral Oncology*, p.104760.

Arkin, N., Krishnan, K., Chang, M. & Bittner, E. (2020). [Nutrition in critically ill patients with COVID-19: Challenges & special considerations](#). *Clinical Nutrition*.



- Beatriz Lara, B., Carnes, A., Dakterzada, F., Benitez, I. & Piñol-Ripoll, G. (2020). [Neuropsychiatric symptoms & quality of life in Spanish Alzheimer's disease patients during COVID-19 lockdown](#). European Journal of Neurology.
- Brugliera, L., Spina, A., Castellazzi, P., Cimino, P., Arcuri, P., Negro, A., Houdayer, E., Alemanno, F., Giordani, A., Mortini, P. & Iannaccone, S. (2020). [Nutritional management of COVID-19 patients in a rehabilitation unit](#). European Journal of Clinical Nutrition.
- Gibbon, L., GrayBuck, K., Buck, L., Huang, K., Penumarthy, N., Wu, S. & Curtis, J. (2020). [Development & Implementation of a Clinician-Facing Prognostic Communication Tool for Patients With COVID-19 & Critical Illness](#). Journal of Pain & Symptom Management.
- Gordin, E., Day, A., Stankova, L., Heitman, E. & Sadler, J. (2020). [Care in the time of coronavirus: Ethical considerations in head & neck oncology](#). Head & Neck.
- Iaboni, A., Cockburn, A., Marcil, M., Rodrigues, K., Marshall, C., Garcia, M., Quirt, H., Reynolds, K., Keren, R. & Flint, A. (2020). [Achieving Safe, Effective, & Compassionate Quarantine or Isolation of Older Adults With Dementia in Nursing Homes](#). The American Journal of Geriatric Psychiatry.
- Jenq, G., Mills, J. & Malani, P. (2020). [Preventing COVID-19 in Assisted Living Facilities—A Balancing Act](#). JAMA Internal Medicine.
- Lai, C., Ko, W., Lee, P., Jean, S. & Hsueh, P. (2020). [Extra-respiratory manifestations of COVID-19](#). International Journal of Antimicrobial Agents, p.106024.
- Rosa, W., Shook, A. & Acquaviva, K. (2020). [LGBTQ+ Inclusive Palliative Care in the Context of COVID-19: Pragmatic Recommendations for Clinicians](#). Journal of Pain & Symptom Management.
- Stein, J., Visco, C. & Barbuto, S. (2020). [Rehabilitation Medicine Response to the COVID-19 Pandemic](#). American Journal of Physical Medicine & Rehabilitation, p.1.
- Yoshikawa, H., Wuermli, A., Britto, P., Dreyer, B., Leckman, J., Lye, S., Ponguta, L., Richter, L. & Stein, A. (2020). [Effects of the Global COVID-19 Pandemic on Early Childhood Development: Short- & Long-Term Risks & Mitigating Program & Policy Actions](#). The Journal of Pediatrics.

### **Service Design**

- Iqbal, M. & Chaudhuri, A. (2020). [“COVID-19: Results of a national survey of United Kingdom healthcare professionals’ perceptions of current management strategy – a cross-sectional questionnaire study”](#). International Journal of Surgery.



Young, S. & Schneider, J. (2020). [Clinical Care, Research, & Telehealth Services in the Era of Social Distancing to Mitigate COVID-19](#). AIDS & Behavior.

### **Service Users**

Chong, Y., Cheng, H., Chan, H., Chien, W. & Wong, S. (2020). [COVID-19 pandemic, infodemic & the role of eHealth literacy](#). International Journal of Nursing Studies, 108, p.103644.

De Cauwer, H. & Spaepen, A. (2020). [Are patients with Down syndrome vulnerable to life-threatening COVID-19?](#). Acta Neurologica Belgica.

Eshraghi, A., Li, C., Aless&ri, M., Messinger, D., Eshraghi, R., Mittal, R. & Armstrong, F. (2020). [COVID-19: overcoming the challenges faced by individuals with autism & their families](#). The Lancet Psychiatry, 7(6), pp.481-483.

McGrath, J. (2020). [ADHD & Covid-19: Current roadblocks & future opportunities](#). Irish Journal of Psychological Medicine, pp.1-22.

### **Clinical Health & Wellbeing**

Pappa, S., Ntella, V., Giannakas, T., Giannakoulis, V., Papoutsis, E. & Katsaounou, P. (2020). [Prevalence of depression, anxiety, & insomnia among healthcare workers during the COVID-19 pandemic: A systematic review & meta-analysis](#). Brain, Behavior, & Immunity.

Wang, Y., Pan, B., Liu, Y., Wilson, A., Ou, J. & Chen, R. (2020). [Health care & mental health challenges for transgender individuals during the COVID-19 pandemic](#). The Lancet Diabetes & Endocrinology.