

BIBLIOGRAPHY

- Abraham, A. Krasnodembskaya, Mesenchymal stem cell-derived extracellular vesicles for the treatment of acute respiratory distress syndrome, *Stem Cells Transl. Med.* (2020). Doi:10.1002/sctm.19-0205.
- Agung Nugrahaningsih, D. and Purnomo, E., 2021. *Chloroquine and hydroxychloroquine for COVID-19 treatment.*
- Alessio N *et al.* Stem Cell-Derived Exosomes in Autism Spectrum Disorder. *Int. J. Environ. Res. Public Health* 2020, 17, 944
- Alvarez-Erviti L., Seow Y., Yin H., Betts C., Lakhali S., Wood M. J. 2011. Delivery of siRNA to the mouse brain by systemic injection of targeted exosomes. *Nat Biotechnol.* 29:341–5.
- ANDREANI, J., LE BIDEAU, M., DUFLOT, I., JARDOT, P., ROLLAND, C., BOXBERGER, M., WURTZ, N., ROLAIN, J.-M., COLSON, P. & LA SCOLA, B. 2020. In vitro testing of combined hydroxychloroquine and azithromycin on SARS-cov-2 shows synergistic effect. *Microbial pathogenesis*, 104228.
- Antunes MA, J.R. Lapa e Silva, P.R.M. Rocco, Mesenchymal stromal cell therapy in COPD: From bench to bedside, *Int. J. COPD.* (2017). Doi:10.2147/COPD.S146671.
- Bari, Ferrarotti, Di Silvestre, Grisoli, Barzon, Balderacchi, Torre, Rossi, Mauri, Corsico, Perteghella, Adipose Mesenchymal Extracellular Vesicles as Alpha-1-Antitrypsin Physiological Delivery Systems for Lung Regeneration, *Cells.* (2019). Doi:10.3390/cells8090965.



Bari E, I. Ferrarotti, M.L. Torre, A.G. Corsico, S. Perteghella, Mesenchymal stem/stromal cell secretome for lung regeneration: The long way through “pharmaceuticalization” for the best formulation, *J. Control. Release.* (2019).
Doi:10.1016/j.jconrel.2019.07.022.

Bari E, S. Perteghella, D. Di Silvestre, M. Sorlini, L. Catenacci, M. Sorrenti, G. Marrubini, R. Rossi, G. Tripodo, P. Mauri, M. Marazzi, M. Torre, Pilot Production of Mesenchymal Stem/Stromal Freeze-Dried Secretome for Cell-Free Regenerative Nanomedicine: A Validated GMP-Compliant Process, *Cells.* (2018).
Doi:10.3390/cells7110190.

Bari E, S. Perteghella, L. Catenacci, M. Sorlini, S. Croce, M. Mantelli, M.A. Avanzini, M. Sorrenti, M.L. Torre, Freeze-dried and GMP-compliant pharmaceuticals containing exosomes for acellular mesenchymal stromal cell immunomodulant therapy, *Nanomedicine.* (2019). Doi:10.2217/nmm-2018-0240.

Bellin G *et al.* Exosome in Cardiovascular Diseases: A Complex World Full of Hope. *Cells.* 2019; 8(2): 166.

Ben-Chetrit, E., 2019. Colchicine. *Textbook of Autoinflammation*, pp.729-749.

BORBA, M. G. S., VAL, F. F. A., SAMPAIO, V. S., ALEXANDRE, M. A. A., MELO, G. C., BRITO, M., MOURÃO, M. P. G., BRITO-SOUSA, J. D., BAÍA-DA-SILVA, D. & GUERRA, M. V. F. 2020. Effect of high vs low doses of chloroquine diphosphate as adjunctive therapy for patients hospitalized with severe acute respiratory syndrome coronavirus 2 (SARS-cov-2) infection: a randomized clinical trial. *JAMA network open*, 3, e208857-e208857.



- Borges, F.T.; Reis, L.A.; Schor, N. Extracellular vesicles: Structure, function, and potential clinical uses in renal diseases. *Braz. J. Med Biol. Res.* 2013, 46, 824–830
- Cai Q, Yang M, Liu D, Chen J, Shu D, Xia J, *et al.* WITHDRAWN: Experimental Treatment with Favipiravir for COVID-19: An Open-Label Control Study. *Engineering* [Internet]. 2020 Mar 18 [cited 2020 Apr 1]; Available from: <http://www.sciencedirect.com/science/article/pii/S2095809920300631>
- Caplan AI, Mesenchymal stem cells: Time to change the name!, *Stem Cells Transl. Med.* (2017). Doi:10.1002/sctm.17-0051.
- Centers for Disease Control and Prevention. Evaluating and Testing Persons for Coronavirus Disease 2019 (COVID-19) <https://www.cdc.gov/coronavirus/2019-ncov/hcp/clinical-criteria.html> (Accessed on March 25, 2020).
- Centers for Disease Control and Prevention. Interim Guidelines for Collecting, Handling, and Testing Clinical Specimens from Persons Under Investigation (pui) for Coronavirus Disease 2019 (COVID-19). February 14, 2020. <https://www.cdc.gov/coronavirus/2019-ncov/lab/guidelines-clinical-specimens.html> (Accessed on March 15, 2020)
- Chen J, Chopp M. Exosome therapy for stroke. *Stroke.* 2018. 49(5):1083-1090.
- Cheng ZJ, Shan J. 2019 novel coronavirus: where we are and what we know. *Infection.* 2020:1–9.
- Corman, V. M., Muth, D., Niemeyer, D. & Drosten, C. *Adv. Virus Res.* 100, 163–188 (2018).
- COVID-19 Treatment Guidelines. 2021. *Chloroquine or Hydroxychloroquine | COVID-19 Treatment Guidelines.* [online] Available at:



<<https://www.covid19treatmentguidelines.nih.gov/antiviral-therapy/chloroquine-or-hydroxychloroquine-with-or-without-azithromycin/>> [Accessed 8 June 2021].

Crivelli B, T. Chlapanidas, S. Perteghella, E. Lucarelli, L. Pascucci, A.T. Brini, I. Ferrero, M. Marazzi, A. Pessina, M.L. Torre, Mesenchymal stem/stromal cell extracellular vesicles: From active principle to next generation drug delivery system, *J. Control. Release.* (2017). Doi:10.1016/j.jconrel.2017.07.023.

Dams E. T., Laverman P., Oyen W. J., Storm G., Scherphof G. L., van Der Meer J. W. 2000. Accelerated blood clearance and altered biodistribution of repeated injections of sterically stabilized liposomes. *J Pharmacol Exp Ther.* 292:1071–9.

Das, K., Chan, X. B., *et al.* 2016. Nanostring expression profiling identifies candidate biomarkers of RAD001 response in metastatic gastric cancer'. Doi: 10.1136/esmoopen-2015-000009.

Day M. Covid-19: ibuprofen should not be used for managing symptoms, say doctors and scientists. *BMJ* [Internet]. 2020 Mar 17 [cited 2020 Apr 1];368. Available from: <https://www.bmj.com/content/368/bmj.m1086>

Della-Torre, E., Della-Torre, F., Kusanovic, M., Scotti, R., Ramirez, G., Dagna, L. and Tresoldi, M., 2020. Treating COVID-19 with colchicine in community healthcare setting. *Clinical Immunology*, 217, p.108490.

Di Rocco, S. Baldari, G. Toietta, Towards Therapeutic Delivery of Extracellular Vesicles: Strategies for In Vivo Tracking and Biodistribution Analysis, *Stem Cells Int.* (2016). Doi:10.1155/2016/5029619.

FANTINI, J., DI SCALA, C., CHAHINIAN, H. & YAHYI, N. 2020. Structural and molecular modeling studies reveal a new mechanism of action of chloroquine and



hydroxychloroquine against SARS-cov-2 infection. *International journal of antimicrobial agents*, 105960.

FERNER, R. E. & ARONSON, J. K. 2020. Chloroquine and hydroxychloroquine in covid-19. British Medical Journal Publishing Group.

Foye, C., Yan, I. K., *et al.* 2017. Comparison of mirna quantitation by Nanostring in serum and plasma samples. *Plos ONE* 12 (12). Pp. 1–13.

FRANCISCO EM. EMA gives advice on the use of non-steroidal anti-inflammatories for COVID-19 [Internet]. European Medicines Agency. 2020 [cited 2020 Apr 1]. Available from: <https://www.ema.europa.eu/en/news/ema-gives-advice-use-non-steroidal-anti-inflammatories-covid-19>

Furuta, T., Miyaki, S., Ishitobi, H., Ogura, T., Kato, Y., Kamei, N., Miyado, K., Higashi, Y., Ochi, M., 2016. Mesenchymal Stem Cell-Derived Exosomes Promote Fracture Healing in a Mouse Model: MSC Exosomes Promote Fracture Healing. *STEM CELLS Translational Medicine* 5, 1620–1630. <https://doi.org/10.5966/sctm.2015-0285>

Geiger S, D. Hirsch, F.G. Hermann, Cell therapy for lung disease, *Eur. Respir. Rev.* (2017). Doi:10.1183/16000617.0044-2017.

Giustino, G., Pinney, S., Lala, A., Reddy, V., Johnston-Cox, H., Mechanick, J., Halperin, J. and Fuster, V., 2020. Coronavirus and Cardiovascular Disease, Myocardial Injury, and Arrhythmia. *Journal of the American College of Cardiology*, 76(17), pp.2011-2023.

GOLDEN, E. B., CHO, H.-Y., HOFMAN, F. M., LOUIE, S. G., SCHÖNTHAL, A. H. & CHEN, T. C. 2015. Quinoline-based antimalarial drugs: a novel class of autophagy inhibitors. *Neurosurgical focus*, 38, E12.



Grein, J., Ohmagari, N., Shin, D., Diaz, G., Asperges, E., Castagna, A., Feldt, T., Green, G., Green, M., Lescure, F., Nicastrì, E., Oda, R., Yo, K., Quiros-Roldan, E., Studemeister, A., Redinski, J., Ahmed, S., Bernett, J., Chelliah, D., Chen, D., Chihara, S., Cohen, S., Cunningham, J., D'Arminio Monforte, A., Ismail, S., Kato, H., Lapadula, G., L'Her, E., Maeno, T., Majumder, S., Massari, M., Mora-Rillo, M., Mutoh, Y., Nguyen, D., Verweij, E., Zoufaly, A., Osinusi, A., DeZure, A., Zhao, Y., Zhong, L., Chokkalingam, A., Elboudwarej, E., Telep, L., Timbs, L., Henne, I., Sellers, S., Cao, H., Tan, S., Winterbourne, L., Desai, P., Mera, R., Gaggari, A., Myers, R., Brainard, D., Childs, R. and Flanigan, T., 2020. Compassionate Use of Remdesivir for Patients with Severe Covid-19. *New England Journal of Medicine*, 382(24), pp.2327-2336.

Guo L, Ren L, Yang S, Xiao M, Chang D, Yang F, *et al.* Profiling Early Humoral Response to Diagnose Novel Coronavirus Disease (COVID-19). *Clinical Infectious Diseases*. 2020;

Hakim MS, *et al.* Current understanding of the origin, molecular biology and continuing evolution of SARS-cov-2 (under review).

Hanff TC, Harhay MO, Brown TS, Cohen JB, Mohareb AM. Is There an Association Between COVID-19 Mortality and the Renin-Angiotensin System? A Call for Epidemiologic Investigations. *Clin Infect Dis*. 2020;71(15):870-874. doi:10.1093/cid/ciaa329

Holshue ML, DeBolt C, Lindquist S, Lofy KH, Wiesman J, Bruce H, *et al.* First Case of 2019 Novel Coronavirus in the United States. *New England Journal of Medicine*. 2020 Mar 5;382(10):929–36.



- How, C. And How, C. 2013. Characterization of Altered microrna Expression in Cervical Cancer. Thesis. Graduate Department of Medical Biophysics University of Toronto.
- Imai, T., Takahashi, Y., Nishikawa, M., Kato, K., Morishita, M., Yamashita, T., Matsumoto, A., Charoenviriyakul, C., Takakura, Y., 2015. Macrophage-dependent clearance of systemically administered B16BL6-derived exosomes from the blood circulation in mice. *J Extracell Vesicles* 4. <https://doi.org/10.3402/jev.v4.26238>
- INCIARDI, R. M., LUPI, L., ZACCONE, G., ITALIA, L., RAFFO, M., TOMASONI, D., CANI, D. S., CERINI, M., FARINA, D. & GAVAZZI, E. 2020. Cardiac involvement in a patient with coronavirus disease 2019 (COVID-19). *JAMA cardiology*.
- Ishida T., Kashima S., Kiwada H. 2008. The contribution of phagocytic activity of liver macrophages to the accelerated blood clearance (ABC) phenomenon of pegylated liposomes in rats. *J Control Release*.126:162–5.
- Jiang *et al.* Exosomes in Pathogenesis, Diagnosis, and Treatment of Alzheimer’s Disease. *Med Sci Monit*. 2019; 25: 3329–3335.
- Johnsen K. B., Gudbergsson J. M., Skov M. N., Pilgaard L., Moos T., Duroux M. 2014. A comprehensive overview of exosomes as drug delivery vehicles—endogenous nanocarriers for targeted cancer therapy. *Biochim Biophys Acta*. 1846:75–87.
- Joyce N, G. Annett, L. Wirthlin, S. Olson, G. Bauer, J.A. Nolte, Mesenchymal stem cells for the treatment of neurodegenerative disease, *Regen. Med.* (2010). Doi:10.2217/rme.10.72.



- Kita S, Maeda N, Shimomura I. Interorgan Communication by Exosomes, Adipose Tissue, and Adiponectin in Metabolic Syndrome. *J Clin Invest.* 2019. 1;129(10):4041-4049.
- Kolbert, C. P., Feddersen, R. M. *et al.* 2013. Multi-Platform Analysis of microRNA Expression Measurements in RNA from Fresh Frozen and FFPE Tissues. *Plos ONE* 8(1). Doi: 10.1371/journal.pone.0052517.
- Kruk, I.H. Heijink, D.J. Slebos, W. Timens, N.H. Ten Hacken, Mesenchymal Stromal Cells to Regenerate Emphysema: On the Horizon?, *Respiration.* (2018). Doi:10.1159/000488149.
- Kupcova Skalnikova H. 2013. Proteomic techniques for characterisation of mesenchymal stem cell secretome. *Biochimie.* 95(12):2196–211.
- Kwok, K., 2021. Drug Repurposing and Dosage Form Development of Anti-COVID-19. *Pharmaceutical Sciences and Research*, 8(1).
- Kyurkchiev, Secretion of immunoregulatory cytokines by mesenchymal stem cells, *World J. Stem Cells.* (2014). Doi:10.4252/wjsc.v6.i5.552.
- Lee Y., El Andaloussi S., Wood M. J. 2012. Exosomes and microvesicles: extracellular vesicles for genetic information transfer and gene therapy. *Hum Mol Genet.* 21:R125–34.
- Leichter, A. L., Purchell, R. V., *et al.* 2018. Multi-platform microRNA profiling of hepatoblastoma patients using formalin fixed paraffin embedded archival samples. *Gigascience* 4(54) doi: 10.1186/s13742-015-0099-9.
- Leng Z, R. Zhu, W. Hou, Y. Feng, Y. Yang, Q. Han, G. Shan, F. Meng, D. Du, S. Wang, J. Fan, W. Wang, L. Deng, H. Shi, H. Li, Z. Hu, F. Zhang, J. Gao, H. Liu, X. Li, Y.



- Zhao, K. Yin, X. He, Z. Gao, Y. Wang, B. Yang, R. Jin, I. Stambler, L.W. Lim, H. Su, A. Moskalev, A. Cano, S. Chakrabarti, K.J. Min, G. Ellison-Hughes, C. Caruso, K. Jin, R.C. Zhao, Transplantation of ACE2- Mesenchymal stem cells improves the outcome of patients with covid-19 pneumonia, *Aging Dis.* (2020).
Doi:10.14336/AD.2020.0228.
- Leung YY, Yao Hui LL, Kraus VB. Colchicine--Update on mechanisms of action and therapeutic uses. *Semin Arthritis Rheum.* 2015;45(3):341-350.
Doi:10.1016/j.semarthrit.2015.06.013
- Liang S, H.L. Jiao, L.K. Chi, X.Y. Shi, A.M. Liang, Y. Tian, J.L. Han, S.S. Ma, B. Yang, F.X. Guan, Clinical remission of a critically ill COVID-19 patient treated by human umbilical cord mesenchymal stem cells, *Chinese J. Tissue Eng. Res.* (2020).
Doi:10.3969/j.issn.2095-4344.2012.49.011.
- Ling Ngan Wong, A., Tsz Fung Cheung, I. And Graham, C., 2008. Hydroxychloroquine overdose: case report and recommendations for management. *European Journal of Emergency Medicine*, 15(1), pp.16-18.
- LIU, J., CAO, R., XU, M., WANG, X., ZHANG, H., HU, H., LI, Y., HU, Z., ZHONG, W. & WANG, M. 2020. Hydroxychloroquine, a less toxic derivative of chloroquine, is effective in inhibiting SARS-cov-2 infection in vitro. *Cell discovery*, 6, 1-4.
- Li Q, Guan X, Wu P, *et al.* Early transmission dynamics in Wuhan, China, of novel coronavirus infected pneumonia. *N Engl J Med.* 2020.
- Lim, W. & Kim, H. 2019. Exosomes as Therapeutic Vehicles for Cancer. *Tissue Eng Regen Med.* 16:213–223.



- Mansouri, N., Marjani, M., Tabarsi, P., von Garnier, C. and Mansouri, D., 2020. Successful Treatment of Covid-19 Associated Cytokine Release Syndrome with Colchicine. A Case Report and Review of Literature. *Immunological Investigations*, pp.1-7.
- Matsumoto, A., Takahashi, Y., Nishikawa, M., Sano, K., Morishita, M., Charoenviriyakul, C., Saji, H., Takakura, Y., 2017. Role of Phosphatidylserine-Derived Negative Surface Charges in the Recognition and Uptake of Intravenously Injected B16BL6-Derived Exosomes by Macrophages. *Journal of Pharmaceutical Sciences* 106, 168–175. <https://doi.org/10.1016/j.xphs.2016.07.022>
- Mendt M *et al.* Mesenchymal stem cell-derived exosomes for clinical use. *Bone Marrow Transplantation*. 2019. 54:789-792
- Meiliana A, Dewi NM, Wijaya A. Mesenchymal Stem Cell Secretome: Cell-free Therapeutic Strategy in Regenerative Medicine. *Indones Biomed J*. 2019; 11(2): 113-24
- Mohammadipoor, B. Antebi, A.I. Batchinsky, L.C. Cancio, Therapeutic potential of products derived from mesenchymal stem/stromal cells in pulmonary disease, *Respir. Res.* (2018). Doi:10.1186/s12931-018-0921-x.
- Montealegre-Gómez, G., Garavito, E., Gómez-López, A., Rojas-Villarraga, A. And Parra-Medina, R., 2020. Colchicine: A potential therapeutic tool against COVID-19. Experience of 5 patients. *Reumatología Clínica*,.
- Nassar W, El-Ansary M, Sabry D, Mostafa MA, Fayad T, Kotb E, *et al.* Umbilical cord mesenchymal stem cells derived extracellular vesicles can safely ameliorate the progression of chronic kidney diseases. *Biomater Res* 2016;20:21.



Organization WH. Considerations in the investigation of cases and clusters of COVID-19:

interim guidance, 13 March 2020. World Health Organization; 2020.

Palmirotta R., Lovero D., Cafforio P., Felici C., Mannavola F., Pelle`E. 2018. Liquid biopsy of cancer: a multimodal diagnostic tool in clinical oncology. *Ther Adv Med Oncol.* 10:1758835918794630.

Paraskevis D, Kostaki EG, Magiorkinis G, *et al.* Full-genome evolutionary analysis of the novel corona virus (2019-ncov) rejects the hypothesis of emergence as a result of a recent recombination event. *Infect Genet Evol* 2020;79:104212.

PASTICK, K. A., OKAFOR, E. C., WANG, F., LOFGREN, S. M., SKIPPER, C. P., NICOL, M. R., PULLEN, M. F., RAJASINGHAM, R., MCDONALD, E. G. & LEE, T. C. Hydroxychloroquine and chloroquine for treatment of SARS-cov-2 (COVID-19). *Open Forum Infectious Diseases*, 2020. Oxford University Press US, ofaa130.

Patel A, Jernigan DB. Initial public health response and interim clinical guidance for the 2019 novel coronavirus outbreak—United States, December 31, 2019–February 4, 2020. *Morbidity and Mortality Weekly Report.* 2020;69(5):140.

PETERSEN, E., KOOPMANS, M., GO, U., HAMER, D. H., PETROSILLO, N., CASTELLI, F., STORGAARD, M., AL KHALILI, S. & SIMONSEN, L. 2020. Comparing SARS-cov-2 with SARS-cov and influenza pandemics. *The Lancet Infectious Diseases.*

Preparation, S., Protocols, H. And N, F. A. 2000. *Mirna Expression Assay User Manual.* Nanostring.



- Priambodo H, Suradi, Reviono, Sutanto YS, Rima A, Harsini, Rindiastuti Y, Laqif A, Julianto I. The Effect of Amniotic Membrane Mesenchymal Stem Cell Conditioned Media (MSC-CM) on Cigarette Smoke Induced Lung Damage (an experimental study in mice) 2016. *J Respir Indo*. 36 (4)
- Rajagopal C., Harikumar K. B. 2018. The origin and functions of exo-somes in cancer. *Front Oncol*. 8:66.
- Reyes AZ, Hu KA, Teperman J, *et al*. Anti-inflammatory therapy for COVID-19 infection: the case for colchicine. *Annals of the Rheumatic Diseases* 2021;**80**:550-557.
- Russell CD, Millar JE, Baillie JK. Clinical evidence does not support corticosteroid treatment for 2019-ncov lung injury. *The Lancet*. 2020 Feb 15;395(10223):473–5.
- Sadiq NM, Robinson KJ, Terrell JM. Colchicine. In: *StatPearls*. Treasure Island (FL): StatPearls Publishing; June 11, 2021.
- Saeedi S *et al*. The emerging role of exosomes in mental disorders. *Translational Psychiatry*. 2019. 9 (122)
- SAHU, K. K., MISHRA, A. K. & LAL, A. 2020. COVID-2019: update on epidemiology, disease spread and management. *Monaldi Archives for Chest Disease*, 90.
- SAVARINO, A., BOELAERT, J. R., CASSONE, A., MAJORI, G. & CAUDA, R. 2003. Effects of chloroquine on viral infections: an old drug against today's diseases. *The Lancet infectious diseases*, 3, 722-727.
- Schlesinger N, Firestein BL, Brunetti L. Colchicine in COVID-19: an Old Drug, New Use [published online ahead of print, 2020 Jul 18]. *Curr Pharmacol Rep*. 2020;1-9.
Doi:10.1007/s40495-020-00225-6



- Shah TG, D. Predescu, S. Predescu, Mesenchymal stem cells-derived extracellular vesicles in acute respiratory distress syndrome: a review of current literature and potential future treatment options, *Clin. Transl. Med.* (2019). Doi:10.1186/s40169-019-0242-9.
- Shen C, Wang Z, Zhao F, Yang Y, Li J, Yuan J, *et al.* Treatment of 5 Critically Ill Patients With COVID-19 With Convalescent Plasma. *JAMA* [Internet]. 2020 Mar 27 [cited 2020 Apr 1]; Available from: <https://jamanetwork.com/journals/jama/fullarticle/2763983>
- Singhal T. A Review of Coronavirus Disease-2019 (COVID-19). *The Indian J of Ped* (2020). 87 (4). 281-6.
- Stahl A. L., Johansson K., Mossberg M., Kahn R & Karpman D. 2019. Exosomes and microvesicles in normal physiology, pathophysiology, and renal diseases. *Pediatr Nephrol.* 34:1130.
- Suk J. S., Xu Q., Kim N., Hanes J., Ensign L. M. 2016. Pegylation as a strategy for improving nanoparticle-based drug and gene delivery. *Adv Drug Deliv Rev.* 99:28–51
- SUNNY, J. S., BALACHANDRAN, S., SOLAIPRIYA, S. & SALEENA, L. M. 2020. Comparison of random and site directed mutation effects on the efficacy between lead SARS-cov2 anti-protease drugs Indinavir and Hydroxychloroquine.
- Wang K. , Zhang S., Weber J. , Baxter D ., Galas D. J. 2010. Export of micromas and micromna-protective protein by mammalian cells. *Nucleic Acids Res.* 38:7248–59.



- Wang W, Xu Y, Gao R, Lu R, Han K, Wu G, *et al.* Detection of SARS-cov-2 in Different Types of Clinical Specimens. JAMA [Internet]. 2020 Mar 11 [cited 2020 Apr 1]; Available from: <https://jamanetwork.com/journals/jama/fullarticle/2762997>
- WHO. Clinical management of severe acute respiratory infection (SARI) when COVID-19 disease is suspected: interim guidance, 13 March 2020. World Health Organization; 2020.
- WHO. Home care for patients with suspected novel coronavirus (ncov) infection presenting with mild symptoms and management of contacts. Updated February 4, 2020. [https://www.who.int/publications-detail/home-care-for-patients-with-suspected-novel-coronavirus-\(ncov\)-infection-presenting-with-mild-symptoms-and-management-of-contacts](https://www.who.int/publications-detail/home-care-for-patients-with-suspected-novel-coronavirus-(ncov)-infection-presenting-with-mild-symptoms-and-management-of-contacts) (Accessed on February 14, 2020).
- Wiklander, O.P.B., Nordin, J.Z., O'Loughlin, A., Gustafsson, Y., Corso, G., Mäger, I., Vader, P., Lee, Y., Sork, H., Seow, Y., Heldring, N., Alvarez-Erviti, L., Smith, C.E., Le Blanc, K., Macchiarini, P., Jungebluth, P., Wood, M.J.A., Andaloussi, S.E., 2015. Extracellular vesicle in vivo biodistribution is determined by cell source, route of administration and targeting. *J Extracell Vesicles* 4. <https://doi.org/10.3402/jev.v4.26316>
- Wu M., Wang G., & Hu W. 2019. Emerging roles and therapeutic value of exosomes in cancer metastasis. *Mol Cancer*. 18 : 53.
- Xie X, Zhong Z, Zhao W, Zheng C, Wang F, Liu J. Chest CT for typical 2019-ncov pneumonia: relationship to negative RT-PCR testing. *Radiology*. 2020;200343



- Yang T., Martin P., Fogarty B., Brown A., Schurman K., Phipps R. 2015. Exosome delivered anticancer drugs across the blood-brain barrier for brain cancer therapy in Danio rerio. *Pharm Res.* 32:2003–14.
- Yao X, Ye F, Zhang M, Cui C, Huang B, Niu P, *et al.* In vitro antiviral activity and projection of optimized dosing design of hydroxychloroquine for the treatment of severe acute respiratory syndrome coronavirus 2 (SARS-cov-2). *Clinical Infectious Diseases.* 2020
- Ye, Q., Wang, B., Mao, J., 2020. The pathogenesis and treatment of the 'Cytokine Storm' in COVID-19. *Journal of Infection* 80, 607–613.
<https://doi.org/10.1016/j.jinf.2020.03.037>
- Yin K., Wang S. & Zhao, R.C. 2019. Exosomes from mesenchymal stem/stromal cells: a new therapeutic paradigm. *Biomark Res.* 7 : 8.
- Yu *et al.* Potential Roles of Exosomes in Parkinson's Disease: From Pathogenesis, Diagnosis, and Treatment to Prognosis. *Front. Cell Dev. Biol.* 2020. 8: 86
- Zhu, M. Badawi, S. Pomeroy, D.S. Sutaria, Z. Xie, A. Baek, J. Jiang, O.A. Elgamil, X. Mo, K. La Perle, J. Chalmers, T.D. Schmittgen, M.A. Phelps, Comprehensive toxicity and immunogenicity studies reveal minimal effects in mice following sustained dosing of extracellular vesicles derived from HEK293T cells, *J. Extracell. Vesicles.* (2017). Doi:10.1080/20013078.2017.1324730.
- Zhou Y *et al.* Settings. The Immunomodulatory Functions of Mesenchymal Stromal/Stem Cells Mediated via Paracrine Activity. *J. Clin. Med.* 2019, 8(7), 1025