



The valuing the plasma the gold grail in the treatment of knee Osteoarthritis in the COVID-19 Era

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Abstract:

Statement of the Problem: As plentiful are conscious the novel COVID-19 is gripping quickly all over the globe. Scientists anywhere are functioning as fast as they can to test to discover therapies. While there are no specific treatments for COVID-19 at the moment, there is reason to test if blood-derived plasma could help mitigate the damaging inflammation associated with COVID-19 pneumonia. The purpose of this study is to handle to inspire a century-old blood-derived therapy succeeded as a therapy for knee Osteoarthritis for use in hopes of slowing the propagation of the COVID-19. Methodology & Theoretical Orientation: I with my team applied a simple, efficient, and minimally invasive method of obtaining a natural concentration of autologous growth factors to be obtained from specific amount of blood. Our endorsed procedure used precise injection of knee Osteoarthritic patients own blood platelets to help their body's ability to heal damaged cartilage. I propose plasma or plasma rich in growth factors (PRGF) from recovered patients as a therapy for new COVID-19 patients as the antibodies progressed by recuperated cases may prop the immune system of novel sick persons. The antibodies included in the plasma of blood possess the power to link to and equalize the virus that responsible for COVID-19.

Biography:

Laila M. Montaser, MD is Professor of Clinical Pathology. She is Chair, of Stem Cell, Regenerative Medicine, Nanotechnology and Tissue Engineering (SRNT) Research Group. She serves as the Head, Founder Leader of Clinical Pathology Department, Faculty of Medicine, Menoufia University. She is the nominator of Council of Menoufia University to TWAS prize in Medical Sciences and to award of Nano Science Research Excellence.



Recent Publications:

1. Montaser L (2020). Editorial; A Therapeutic Approach from Lab to Clinic in the Domain of the Disease Caused by the Novel Coronavirus from the Perspective of an Egyptian Scientist. *CPQ Medicine*; 8(6): 1-7.
2. Montaser L (2020). Keynote speech: Innovative outlook for COVID-19. Presented at 13rd Int. Conf. on Pharmaceutical Chemistry 22 may 2020 Webinar, Paris, France.
3. Montaser L (2020). Keynote speech: Innovative prospective strategy for therapy of COVID-19 pneumonia. Presented at 33rd Int. Conf. on Nanoscience and Nanotech April 27, 2020 Webinar, London, UK.
4. Montaser L, Eid T, Helwa M, Mesregah M (2017). Application of platelet-rich plasma preparation rich in growth factors in knee osteoarthritis. *Men Med J* 2017 July; 30 (1): 139-146.
5. Montaser L, Abbassy H, Fawzy S (2016). Articular cartilage tissue engineering with plasma-rich in growth factors and stem cells with Nano scaffolds. *Proc. SPIE* 2016, 9930, 99300V, San Diego, CA, USA.

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