



Convalescence Plasma Therapy for Covid 19: Expectations & Risks

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Abstract:

COVID19 dramatically affected blood donation and storage. That is why AABB develop a plan for hospital's blood inventory as we continue to engage in efforts responding to the COVID-19 outbreak.

As Plasma is the liquid portion of blood that remains when all red and white blood cells and platelets have been removed. It was over a hundred years ago that Emil Behring was awarded the first Nobel Prize for physiology and medicine for his work demonstrating that plasma could be used to treat diphtheria. From that idea developed the role of convalescence patient's plasma in managing infectious disease to benefit from antibodies developed in response to the infecting agent.

The lecture spoke the mechanism of action of Convalescence plasma, how it works, and the eligibility criteria of the donors and the patients whom could benefit from it. It also defines plasmapheresis, acquisition and testing it before donation. Evaluating Public Health Surveillance The review also discussed the dose of donation, hazards and complications of convalescence plasma in COVID19.

Biography

Ola Badr Abo El Nil is a doctor and works as Lecturer in Theodor Bilharz Research Institute (TBRI), Giza, Egypt. She holds MD degree (2019) in Clinical Pathology with speciality in Hematology and Blood Banking, Cairo University. Ola has been graduated on 2004, worked as resident of clinical pathology and blood banking on



2006 and had her Masters degree in Clinical pathology on 2011. And since that date to 2019 worked as Assistant Researcher in TBRI and Infection Control Practitioner after Infection Control Diploma. She have private practice in more than a lab as Lab Manager and Developer.

Ola has many lectures for continuous learning for young Researchers in TBRI. Ola is an Egyptian doctor interested in continuous learning and training of young practitioners and laboratory managing.

Publication of speakers:

- 1) S. Dzik. COVID-19 Convalescent Plasma: Now Is the Time for Better Science, *Transfusion Medicine Reviews* (2020), <https://doi.org/10.1016/j.tmr.2020.04.002>
- 2) Zhu M, et al. Use of convalescent plasma in COVID-19 patients in China. *Transfusion Clinique et Biologique* (2020), <https://doi.org/10.1016/j.tracli.2020.05.001>
- 3) Rojas M, et al. Convalescent plasma in Covid-19: Possible mechanisms of action. *Autoimmunity Reviews* 19 (2020), <https://doi.org/10.1016/j.autrev.2020.102554>
- 4) AABB: Considerations During the COVID-19 Pandemic.

Webinar on Women Health Science and Care, 7 September, 2020, Tokyo, Japan

Citation: Ola Badr Abo El Nil, Theodor Bilharz Research Institute, Giza, Egypt, Webinar on Women Health Science and Care, 7 September, 2020, Tokyo, Japan