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Convalescent plasma therapy in a pregnant COVID-19 infected case of dramatic clinical and imaging response: A case report

Jafari R *et al.* Plasma therapy in a COVID-19 pregnant case

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Abstract

BACKGROUND

Corona virus disease 2019 (COVID-19) infection is a novel very contagious infection which was announced as a pandemic in all countries of the world on April 2020. Its presentations vary from mild to severe infections, but more infected patients present mild manifestations. Many therapeutic choices are suggested to treat the infection, but none was fully effective.

CASE SUMMARY

Herein we presented a 26-year-old woman with a twin pregnancy at 36 wk and one day with confirmed COVID-19 infection who responded dramatically to convalescent plasma therapy (CPT) and Favipiravir.

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Second, within days of collection, clinicians could **transfuse convalescent plasma** to **infected patients**. This approach would be expected to be most effective in patients before they develop a humoral response to **COVID-19**; **serology tests** that detect **COVID-19 neutralizing antibodies** would be beneficial in identifying the best **treatment candidates**.

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Convalescent plasma (CP) emerges as the first option of management for **hospitalized patients** with **COVID-19**. Transference of neutralizing antibodies helps to **control COVID-19 infection** and modulates inflammatory response. Other **plasma components** may enhance the antiviral and anti-inflammatory properties of CP.

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