



GODIF Newsletter May to August 2021

Thank you for committing to the GODIF trial!

Dear friends and colleagues,

We hope you all have had a wonderful summer.

We are of the impression the trial is running smoother with the latest protocol changes (accepted in May this year). The inclusion rate has been slow during the summer due to the vacation. We are looking forward to the autumn and hopefully a lot of new GODIF participants. Odense will be joining the trial in the end of August. Welcome to Odense.

Concerns and perspectives:

Clinicians sometimes express concerns about initiating diuretic therapy in patients on vasopressors because of concern of hypoperfusion and increased circulatory instability and risk of harm. We actually don't know the optimal time for starting de-resuscitation with diuretics in patients with fluid overload - observational data are conflicting.

A retrospective study from from 2019 "Early diuretic use and mortality in critically ill patients with vasopressor support: a propensity score-matching analysis" (2). They found the use of loop diuretics associated with lower mortality in patients with a positive fluid balance.

This is conflicting with a retrospective study from 2020 "Use of diuretics in shock: temporal trends and clinical impacts in a propensity-matched cohort study" (1) found the use of diuretics concomitantly with vasopressors an increasing trend. In their study the use of diuretics did not increase vasopressor dose, the risk of developing AKI or need for RRT. They did find a higher ICU and 90-day mortality rate in the group treated with diuretics concomitantly with vasopressors compared to no diuretic.

However, these are both observational studies and no randomised clinical trials have investigated the use of diuretics in critically ill patients with fluid overload receiving vasopressor agents.

Therefore, it is very important that we include participants both with and without the need of vasopressor treatment in GODIF trial. This will help us to gain more knowledge about the optimal time start fluid removal.

All the best,

Morten and Sine



1. Bandak G, Sakhuja A, Andrijasevic NM, Gunderson TM, Gajic O, Kashani K. Use of diuretics in shock: Temporal trends and clinical impacts in a propensity-matched cohort study. *Lazzeri C, redaktør. PLoS ONE.* 13. februar 2020;15(2):e0228274.
2. Shen Y, Zhang W, Shen Y. Early diuretic use and mortality in critically ill patients with vasopressor support: a propensity score-matching analysis. *Crit Care.* december 2019;23(1):9.

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We look very much forward to further collaboration. Thank you for your support!

