## Hemodialysis (HD) Modalities May Affect Glycemic Indicator in

Patients with Type 2 Diabetes (T2D): Underestimation of Glycated

Albumin (GA) in Online-hemodiafiltration (OLHDF)

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A recent study indicated that, compared with glycated hemoglobin (HbA1c), GA provides a more accurate assessment of glycemic control in HD patients with T2D. Meanwhile current hemodialysis therapy modalities such as online-hemodiafiltration (OLHDF) attempt to remove over a wide molecular weight including albumin, which promotes turnover of albumin, resulting in possible underestimation of GA value compared with conventional HD. The correlation between HbA1c and GA in both HD and OLHDF settings were investigated. We recruited 117 patients on conventional HD and 31 patients on OLHDF, and then monitored monthly HbA1c and GA values for 3 months. As shown in figure, no significant difference was obtained in HbA1c in each modality over 3 month, whereas GA values were consistently larger in the group treated with OLHDF. There was no difference in these 2 groups including serum albumin level.

GA may underestimated when treated with OLHDF presumably albumin leakage, not serum albumin level. As OLHDF is being applied widely, the interpretation of GA becomes important in HD patients with T2D.