

Comparing Mortality of Chronic Peritoneal and Maintenance Hemodialysis Patients in the 21st Century up to 5 Years

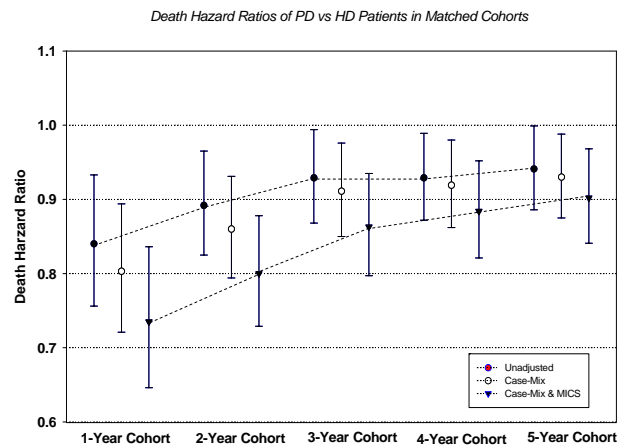
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Background: There are inconsistent reports about the comparative mortality of chronic peritoneal dialysis (CPD) vs. maintenance hemodialysis (MHD) patients. **Methods:** Using an incidence-density case-control study, matched 1:1 randomly on dialysis start time (vintage and incident calendar quarter), age (+/-5 yrs), gender, race, diabetes, and location (state), we examined the CPD to MHD death hazard ratio (HR) in the 7/2001-6/2007 DaVita cohort of 7,516 CPD/MHD pairs via Cox regression adjusted for case-mix and malnutrition-inflammation complex syndrome (MICS) surrogates. **Results:** According to 1 to 5-yr death HR, CPD patients had significantly greater survival than MHD patients, although this survival advantage mitigated in Years 4 to 5.



Conclusions: All things equal, CPD patients appear to have greater survival chance than MHD patients especially during first 2 to 3 yrs.