**Appendices**

1) Baseline characteristics of incident long-term peritoneal dialysis (>90days) adult patients (>=20 years) during 1999-2010

|  |  |  |  |
| --- | --- | --- | --- |
|  | PCKD (n=139) | Non-PCKD (n=7793) | *p* value |
| Age, years, mean (std) | 53.4 (14.7) | 54.1(15.2) | 0.58 |
| Male, n (%) | 72 (51.8) | 3484 (44.7) | 0.10 |
| Comorbidity index, mean (std) | 2.9 (1.4) | 3.8 (1.9) | <0.01 |
| Late referral to a nephrologist, n (%) | 23 (16.6) | 1980 (25.4) | 0.02 |
| Prior hemodialysis history, n(%) | 76 (54.7) | 4764 (61.1) | 0.12 |
| Economic status | | | |
| Low | 52 (37.4) | 3309 (42.5) | 0.45 |
| Intermediate | 83 (59.7) | 4232 (54.3) |
| High | 4 (2.9) | 252 (3.2) |
| Institute level | | | |
| Medical center | 101 (72.7) | 4552 (58.4) | <0.01 |
| Metropolitan hospital | 34 (24.5) | 2914 (37.4) |
| Others | 4 (2.9) | 327 (4.2) |
| Comorbidity | | | |
| Hypertension | 99 (71.2) | 6016 (77.2) | 0.10 |
| Diabetes | 19 (13.7) | 2973 (38.2) | <0.01 |
| Coronary artery disease | 21 (15.1) | 1677 (21.5) | 0.07 |
| Cerebral vascular disease | 2 (1.4) | 463 (5.9) | 0.02 |
| Heart failure | 15 (10.8) | 1575 (20.2) | <0.01 |
| Arrhythmia | 13 (9.4) | 535 (6.9) | 0.25 |
| Valvular heart disease | 4 (2.9) | 455 (5.8) | 0.14 |
| Peripheral vascular disease | 2 (1.4) | 256 (3.3) | 0.33 |
| Chronic obstructive pulmonary disease | 7 (5.0) | 516 (6.6) | 0.46 |
| Chronic liver disease | 20 (14.4) | 885 (11.4) | 0.27 |
| Gout | 42 (30.2) | 1470 (18.9) | <0.01 |
| Dyslipidemia | 21 (15.1) | 1964 (25.2) | <0.01 |
| Cancer | 4 (2.9) | 336 (4.3) | 0.53 |

2) Results from the competing-risks regression model of peritonitis that treated modality switching as censoring

No. of observations=960

No. of patients= 556

No. failed=182

No. competing event (death)=59

No. censored =315

(Std. Err. adjusted for 556 clusters corresponding to patients)

Test statistic of model significance: Wald chi2(5) =4.33 (Prob > chi2=0.50)

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| Robust

\_t | SHR Std. Err. z P>|z| [95% Conf. Interval]

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1st-2nd year | 1.026956 .2069395 0.13 0.895 .6918758 1.524317

3rd-4th year | .9960202 .3584973 -0.01 0.991 .491921 2.016698

5th-6th year | 2.301234 1.220475 1.57 0.116 .8138046 6.507307

7th 8th year | .9941639 1.084907 -0.01 0.996 .1171015 8.440218

9th year later | 6.384201 8.335865 1.42 0.156 .493959 82.51297

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3) Results from the competing-risks regression model of technique failure

No. of observations=1106

No. of patients= 556

No. failed=128

No. competing event (death)=98

No. censored =330

(Std. Err. adjusted for 556 clusters corresponding to patients)

Test statistic of model significance: Wald chi2(5) = 4.42 (Prob > chi2=0.49)

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| Robust

\_t | SHR Std. Err. z P>|z| [95% Conf. Interval]

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1st-2nd year | .7279069 .2190096 -1.06 0.291 .4036174 1.31275

3rd-4th year | 1.222701 .4017685 0.61 0.541 .6421299 2.328184

5th-6th year | 1.729048 .8054777 1.18 0.240 .6938639 4.308634

7th-8th year | 2.143353 1.726677 0.95 0.344 .4419457 10.39485

9th year later | 2.347695 2.470247 0.81 0.417 .2985428 18.46191

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