Table1

In Decreased muscle mass patients, eGFR was calculated with sCysC

- 1) $eGFRCysC = (104 \times sCysC^{-1.019} \times 0.996^{age\ (year)}) - 8$
  (if male >18.0 years)
- 2) $eGFRCysC = (104 \times sCysC^{-1.019} \times 0.996^{age\ (year)} \times 0.929) - 8$
  (if female >18 years)
- 3) eGFRCysC =104.1/ sCysC）-7.80)
  (girls and boys ≦18years)

In normal muscle mass patients, eGFR was calculated with sCr

- eGFRsCr={110.2 x (standered sCr/patient's sCr)}+2.93

<u>Calculation formula for standered sCr</u>

- Boy: $-1.259Hight(Ht)^5+7.815Ht^4-18.57Ht^3+21.39Ht^2-11.71Ht+2.628$
- Girl:$-4.436Ht^5+27.16Ht^4-63.47Ht^3+72.43Ht^2-40.06Ht+8.778$

Table2

	Normal muscle mass (n=14)	Decreased muscle mass (n=9)
Renal abnormality		
Nephrotic Syndrome	9	0
Chronic Nephritis	3	1
Renal dysfunction**	0	5
Other	2	3
Age(Year)	4-16(Median 7)	6-64（Median 19）*
Gender(Male:Female)	7:7	5:4
eGFR(ml/min/1.73m^2)		
≧90	12	4
89~60	2	2
＜60	0	3
sUCr(mg/dl)	45.13±36.25	25.9±19.8
24HUP(g/day)	0.54±1.08	0.25±0.20
24HUCr(g/day)	0.51±0.34	0.21±0.12
sUP/Cr	1.36±3.19	0.84±0.86

＊4 patients were under the age of 18 years old **eGFR<90mL/min/1.73m^2

Table3

Pt No	sUCr (mg/dL)	sUP/Cr	actual 24HUP (g/day)	modified 24HUP(sUP/Cr x 24HUCr)			
				new formula	Cockcroft-Gault formula	Ghazail-Barrant formula	actual 24HUCr
1	20.7	0.34	0.20	0.10	0.20	0.17	0.14
2	18.6	0.27	0.51	0.06	0.12	0.16	0.05
3	9.3	0.32	0.04	0.08	0.22	0.14	0.06
4	54.5	0.37	0.04	0.05	0.11	0.08	0.04
5	57.2	0.33	0.52	0.13	0.17	0.17	0.10
6	15.6	2.63	0.21	0.33	0.97	0.84	0.37
7	3.4	1.76	0.27	0.59	0.66	0.56	0.19
8	23.7	1.27	0.41	0.18	0.69	0.63	0.42
9	94.4	0.24	0.03	0.03	0.20	0.32	0.02

Table4

Pt No	sUCr (mg/dL)	sUP/Cr	actual 24HUP (g/day)	modified 24HUP(sUP/Cr x 24HUCr)			
				New formula	Cockcroft-Gault formula	Ghazail-Barrant formula	actual 24HUCr
1	97.2	0.05	0.04	0.04	0.05	0.05	0.05
2	27.6	0.11	0.04	0.03	0.06	0.05	0.03
3	103.3	0.09	0.06	0.04	0.05	0.04	0.03
4	40.3	0.03	0.01	0.01	0.01	0.01	0.01
5	114	0.13	0.11	0.05	0.08	0.07	0.04
6	101	1.02	0.54	0.42	0.59	0.54	0.27
7	122	2.01	0.76	0.77	1.43	1.15	0.76
8	117.2	0.03	0.04	0.03	0.04	0.03	0.03
9	113.4	4.46	2.24	3.88	5.21	4.69	4.28
10	177.7	0.03	0.04	0.02	0.03	0.03	0.03
11	78.6	0.14	0.21	0.07	0.12	0.10	0.08
12	44.4	12.03	3.84	3.11	6.87	4.56	4.00
13	43.3	0.14	0.05	0.04	0.07	0.05	0.05
14	90.7	0.13	0.09	0.03	0.06	0.04	0.03