

Table S1: Pooled analysis data															
Total population (n=36)					CKD stage 3b					CKD stage 4					
Variable	Mean	Median	SD	IQR	Variable	Mean	Median	SD	IQR	Variable	Mean	Median	SD	IQR	
Baseline - creatinine / $\mu\text{mol/L}$	185.78	172.00	57.43	71.75	Baseline - creatinine / $\mu\text{mol/L}$	149.50	147.50	18.28	22.00	Baseline - creatinine / $\mu\text{mol/L}$	234.75	229.50	50.57	47.00	
1 month - creatinine / $\mu\text{mol/L}$	187.90	173.00	69.89	72.50	1 month - creatinine / $\mu\text{mol/L}$	143.54	141.00	17.17	16.00	1 month - creatinine / $\mu\text{mol/L}$	238.27	214.00	69.74	47.00	
3 months - creatinine / $\mu\text{mol/L}$	196.76	187.00	68.54	85.00	3 months - creatinine / $\mu\text{mol/L}$	148.64	148.00	22.33	20.00	3 months - creatinine / $\mu\text{mol/L}$	245.73	231.00	60.10	64.50	
Baseline - eGFR / mL/min per 1.73 m ²	32.77	32.63	10.87	18.58	Baseline - eGFR / mL/min per 1.73 m ²	39.54	41.33	4.65	7.82	Baseline - eGFR / mL/min per 1.73 m ²	22.17	23.00	3.97	5.22	
1 month - eGFR / mL/min per 1.73 m ²	33.10	33.88	11.78	17.86	1 month - eGFR / mL/min per 1.73 m ²	41.44	38.88	6.65	10.29	1 month - eGFR / mL/min per 1.73 m ²	23.05	24.00	5.92	6.81	
3 months - eGFR / mL/min per 1.73 m ²	31.25	27.79	11.64	19.11	3 months - eGFR / mL/min per 1.73 m ²	39.72	38.97	6.96	7.84	3 months - eGFR / mL/min per 1.73 m ²	21.88	22.00	4.99	7.43	
Baseline - Hemoglobin / g/L	127.67	130.50	11.24	10.25	Baseline - Hemoglobin / g/L	131.81	131.00	8.08	5.50	Baseline - Hemoglobin / g/L	122.00	125.00	12.70	12.50	
1 month - Hemoglobin / g/L	127.94	130.00	12.82	10.25	1 month - Hemoglobin / g/L	134.38	134.00	6.50	8.00	1 month - Hemoglobin / g/L	120.47	126.00	13.87	15.00	
3 months - Hemoglobin / g/L	129.33	133.00	15.17	9.00	3 months - Hemoglobin / g/L	138.00	134.50	10.31	13.00	3 months - Hemoglobin / g/L	121.86	128.00	15.74	23.50	
Baseline - Serum ferritin / $\mu\text{g/l}$	65.58	55.00	38.57	36.50	Baseline - Serum ferritin / $\mu\text{g/l}$	63.75	62.00	33.36	31.75	Baseline - Serum ferritin / $\mu\text{g/l}$	70.50	55.00	47.26	46.75	
1 month - Serum ferritin / $\mu\text{g/l}$	279.58	257.00	124.65	111.00	1 month - Serum ferritin / $\mu\text{g/l}$	235.54	207.00	106.27	131.00	1 month - Serum ferritin / $\mu\text{g/l}$	311.40	294.00	137.94	161.50	
3 months - Serum ferritin / $\mu\text{g/l}$	267.41	224.00	160.21	121.00	3 months - Serum ferritin / $\mu\text{g/l}$	204.55	218.00	75.98	74.00	3 months - Serum ferritin / $\mu\text{g/l}$	309.13	272.00	201.79	226.00	
Baseline - TSAT / %	21.19	19.00	7.90	9.25	Baseline - TSAT / %	22.50	21.50	8.45	9.50	Baseline - TSAT / %	17.44	17.00	3.61	5.00	
1 month - TSAT / %	27.53	27.50	10.44	14.25	1 month - TSAT / %	32.17	32.50	9.40	8.25	1 month - TSAT / %	21.87	21.00	8.72	8.50	
3 months - TSAT / %	28.17	26.00	17.07	17.00	3 months - TSAT / %	27.73	30.00	11.00	16.00	3 months - TSAT / %	27.40	24.00	21.73	13.00	
Baseline - CRP / mg/L	6.52	4.00	6.37	6.80	Baseline - CRP / mg/L	4.28	2.80	4.24	1.85	Baseline - CRP / mg/L	8.54	4.85	7.96	10.43	
1 month - CRP / mg/L	5.85	4.00	7.05	3.70	1 month - CRP / mg/L	3.25	2.60	1.84	2.10	1 month - CRP / mg/L	8.14	4.80	9.51	5.90	
3 months - CRP / mg/L	9.21	4.60	13.19	3.75	3 months - CRP / mg/L	9.78	5.45	8.97	12.15	3 months - CRP / mg/L	9.67	4.60	16.70	2.75	
Baseline - IL6 / pg/ml	18.50	8.03	31.23	2.04	Baseline - IL6 / pg/ml	29.88	8.06	45.38	14.14	Baseline - IL6 / pg/ml	9.31	7.66	6.10	1.08	
1 month - IL6 / pg/ml	22.02	7.92	34.85	2.36	1 month - IL6 / pg/ml	39.24	8.05	51.86	51.34	1 month - IL6 / pg/ml	11.09	7.92	9.82	1.28	
3 months - IL6 / pg/ml	22.35	8.00	36.86	3.01	3 months - IL6 / pg/ml	37.48	8.16	51.38	49.61	3 months - IL6 / pg/ml	9.29	7.20	5.77	2.58	
Baseline - IL10 / pg/ml	52.96	15.26	75.24	31.48	Baseline - IL10 / pg/ml	49.17	13.51	70.66	38.92	Baseline - IL10 / pg/ml	54.46	15.26	93.98	25.64	
1 month - IL10 / pg/ml	52.79	17.41	74.43	31.86	1 month - IL10 / pg/ml	54.38	14.08	82.61	31.86	1 month - IL10 / pg/ml	46.55	22.24	73.87	20.75	
3 months - IL10 / pg/ml	51.04	13.98	75.58	32.26	3 months - IL10 / pg/ml	50.51	14.55	76.59	35.00	3 months - IL10 / pg/ml	43.59	12.38	79.43	9.68	
Baseline - E-selectin / ng/ml	56.74	54.86	24.27	29.76	Baseline - E-selectin / ng/ml	50.09	50.49	18.16	31.22	Baseline - E-selectin / ng/ml	65.43	62.13	31.99	37.23	
1 month - E-selectin / ng/ml	62.07	58.87	25.35	32.50	1 month - E-selectin / ng/ml	55.34	52.06	17.92	28.91	1 month - E-selectin / ng/ml	67.69	60.08	32.55	41.96	
3 months - E-selectin / ng/ml	60.37	61.16	20.19	37.20	3 months - E-selectin / ng/ml	54.92	52.62	19.77	33.36	3 months - E-selectin / ng/ml	65.91	66.08	22.17	34.84	
Baseline - P-selectin / ng/ml	69.26	57.50	49.67	29.19	Baseline - P-selectin / ng/ml	58.99	49.00	30.86	24.22	Baseline - P-selectin / ng/ml	66.38	65.25	16.64	23.19	
1 month - P-selectin / ng/ml	72.31	64.94	55.07	30.47	1 month - P-selectin / ng/ml	62.68	62.88	20.91	14.13	1 month - P-selectin / ng/ml	66.96	68.19	25.67	28.47	
3 months - P-selectin / ng/ml	77.01	61.75	66.79	38.75	3 months - P-selectin / ng/ml	69.68	57.44	46.94	19.16	3 months - P-selectin / ng/ml	62.80	63.50	28.27	35.31	
Baseline - PWV / m/sec	7.90	7.55	2.98	2.15	Baseline - PWV / m/sec	8.31	7.70	3.29	1.80	Baseline - PWV / m/sec	7.95	7.65	2.87	2.10	
1 month - PWV / m/sec	7.89	7.60	2.14	2.60	1 month - PWV / m/sec	7.79	7.00	2.37	2.53	1 month - PWV / m/sec	7.88	7.90	2.07	1.80	
3 months - PWV / m/sec	7.82	7.60	2.08	2.40	3 months - PWV / m/sec	7.68	7.60	2.19	2.70	3 months - PWV / m/sec	7.95	7.90	2.21	1.40	
Baseline - Aug Ind / %	23.97	25.00	12.10	15.00	Baseline - Aug Ind / %	23.56	25.00	11.39	17.00	Baseline - Aug Ind / %	23.50	24.50	11.14	15.25	
1 month - Aug Ind / %	19.97	20.00	10.82	17.00	1 month - Aug Ind / %	18.42	17.00	10.55	18.00	1 month - Aug Ind / %	19.62	20.00	7.91	12.00	
3 months - Aug Ind / %	22.69	22.00	11.76	14.00	3 months - Aug Ind / %	22.92	19.00	14.00	14.00	3 months - Aug Ind / %	23.54	27.00	9.81	9.00	
Baseline - TBARS / nM	939.64	958.21	321.49	304.45	Baseline - TBARS / nM	904.34	938.05	193.03	277.40	Baseline - TBARS / nM	876.53	960.49	291.34	301.99	
1 month - TBARS / nM	966.29	1006.90	337.89	397.65	1 month - TBARS / nM	962.79	885.01	369.21	401.73	1 month - TBARS / nM	936.52	1039.02	329.83	377.99	
3 months - TBARS / nM	985.26	1003.22	289.50	404.55	3 months - TBARS / nM	995.52	895.44	356.37	452.94	3 months - TBARS / nM	974.38	1019.63	207.07	399.99	

Table S2: Statistical analysis as per variable of interest					
Variable	Population	P-value	Variable	Population	P-value
<i>TBARS / nM</i>	Total population	0.59	<i>E-selectin / ng/ml</i>	Total population	0.53
	CKD stage 3b	0.45		CKD stage 3b	0.47
	CKD stage 4	0.43		CKD stage 4	0.96
<i>CRP / mg/L</i>	Total population	0.27	<i>P-selectin / ng/ml</i>	Total population	0.64
	CKD stage 3b	0.03		CKD stage 3b	0.47
	CKD stage 4	0.79		CKD stage 4	0.73
<i>IL6 / pg/ml</i>	Total population	0.74	<i>PWV / m/sec</i>	Total population	0.90
	CKD stage 3b	0.76		CKD stage 3b	0.53
	CKD stage 4	0.95		CKD stage 4	1.00
<i>IL10 / pg/ml</i>	Total population	0.93	<i>Aug Ind / %</i>	Total population	0.60
	CKD stage 3b	0.97		CKD stage 3b	0.84
	CKD stage 4	0.80		CKD stage 4	0.95

