

Endocannabinoid system – related inflammation and progression of autosomal dominant polycystic kidney disease

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Table S1. Values of Spearman's rank correlation coefficient between endocannabinoid concentrations and age, biochemical and morphological parameters in the study and control groups.

Parameter	Study Group (SG)				Control Group (C)			
	AEA	p-Value	2-AG	p-Value	AEA	p-Value	2-AG	p-Value
Age [years]	-0.39	0.002	-0.22	0.084	0.19	0.218	0.26	0.090
Creatinine [mg/dl]	-0.82	0.000	-0.67	0.000	-0.05	0.733	0.15	0.317
eGFR [ml/min/1.73]	0.68	0.000	0.54	0.000	-0.04	0.776	-0.02	0.872
Urea [mg/dl]	-0.62	0.000	-0.55	0.000	0.13	0.387	0.39	0.010
Uric acid [mg/dl]	-0.51	0.000	-0.34	0.015	-0.10	0.538	0.18	0.256
RBC [T/l]	0.02	0.897	0.02	0.901	0.14	0.370	0.22	0.139
HGB [mmol/l]	0.08	0.547	0.07	0.569	0.04	0.775	0.39	0.008
Iron [µg/dl]	-0.06	0.717	0.14	0.230	0.16	0.240	0.19	0.234
PTH [pg/ml]	-0.46	0.000	-0.37	0.004	-0.01	0.936	-0.10	0.527
Calcium jonized [mmol/l]	-0.13	0.371	-0.16	0.271	-0.35	0.028	-0.02	0.901
Phosphorus [mmol/l]	-0.01	0.922	-0.09	0.481	0.15	0.356	-0.01	0.948
Vitamin D3 [ng/ml]	-0.08	0.561	0.15	0.268	-0.03	0.854	0.08	0.633
IL-6 [pg/ml]	-0.04	0.765	0.34	0.008	0.24	0.119	0.62	0.000
TNF-α [pg/ml]	-0.07	0.584	0.05	0.708	0.08	0.620	0.22	0.154
Ferritin [ng/ml]	-0.38	0.004	-0.15	0.259	0.00	0.993	0.55	0.000
Transferrin [g/l]	0.29	0.031	0.20	0.132	0.06	0.687	-0.33	0.035
AEA [ng/ml]			0.77	0.000			0.24	0.119
2-AG [ng/ml]	0.77	0.000			0.24	0.119		

p – significance level; eGFR - estimated Glomerular Filtration Rate; RBC - Red Blood Cells; HGB – Hemoglobin; PTH - Parathyroid hormone; IL-6 - Interleukin 6; TNF-α - Tumor Necrosis Factor – α; AEA - Anandamide; 2-AG – 2-Arachidonoylglycerol

Table S2. Values of Spearman's rank correlation coefficient between IL-6 and TNF- α concentrations and age, biochemical and morphological parameters in the study and control groups.

Parameter	Study Group (SG)				Control Group (C)			
	IL-6	<i>p</i> -Value	TNF- α	<i>p</i> -Value	IL-6	<i>p</i> -Value	TNF- α	<i>p</i> -Value
Age [years]	0.09	0.502	0.04	0.784	0.17	0.258	0.17	0.257
Creatinine [mg/dl]	0.10	0.485	0.17	0.202	0.22	0.148	0.01	0.972
eGFR [ml/min/1.73]	-0.12	0.383	-0.20	0.135	-0.09	0.576	-0.13	0.397
Urea [mg/dl]	0.06	0.674	0.11	0.433	0.38	0.010	0.23	0.125
Uric acid [mg/dl]	0.14	0.321	0.12	0.403	0.21	0.182	0.13	0.426
Length of the right kidney [mm]	0.33	0.014	-0.05	0.736	0.38	0.014	0.14	0.360
Length of the left kidney [mm]	0.27	0.047	0.16	0.237	0.18	0.258	0.17	0.292
RBC [T/l]	-0.04	0.747	-	-	0.29	0.053	-	-
HGB [mmol/l]	-0.11	0.404	-	-	0.43	0.003	-	-
Iron [μ g/dl]	-0.20	0.125	-0.09	0.494	0.22	0.170	-0.14	0.373
PTH [pg/ml]	0.34	0.009	0.07	0.618	-0.18	0.254	0.09	0.556
Calcium ionized [mmol/l]	-0.13	0.357	-0.02	0.884	-0.10	0.547	-0.53	0.000
Phosphorus [mmol/l]	0.03	0.793	0.11	0.409	0.13	0.433	0.14	0.389
Vitamin D3 [ng/ml]	0.27	0.037	0.43	0.000	0.11	0.504	-0.18	0.246
IL-6 [pg/ml]	-	-	0.09	0.490	-	-	0.19	0.216
TNF- α [pg/ml]	0.09	0.490	-	-	0.19	0.216	-	-
Ferritin [ng/ml]	0.20	0.146	-0.08	0.574	0.61	0.000	0.05	0.751
Transferrin [g/l]	-0.12	0.340	0.36	0.008	-0.62	0.000	-0.10	0.534
AEA [ng/ml]	-0.02	0.907	-0.07	0.584	0.13	0.377	0.08	0.620
2-AG [ng/ml]	0.31	0.017	0.05	0.708	0.52	0.000	0.22	0.154

p – significance level; eGFR - estimated Glomerular Filtration Rate; RBC - Red Blood Cells; HGB – Hemoglobin; PTH - Parathyroid hormone; AEA - Anandamide; 2-AG – 2-Arachidonoylglycerol; IL-6 - Interleukin 6; TNF- α - Tumor Necrosis Factor – α