Digitization of Pathology: Determining Catalyst for Degradation of Kidney through Modern Quantification

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Supporting Information

Туре	totalExternalElastic	intimalFibrosis	percentFibrotic	hyline	percentHyline	totalAfferentEfferent	hyalinosis	percentHyalinosis
aged	421	13	0.03087885986	103	0.2446555819	34	14	0.4117647059
aged	272	12	0.04411764706	21	0.07720588235	35	11	0.3142857143
aged	179	17	0.09497206704	11	0.06145251397	20	10	0.5
aged	223	10	0.04484304933	46	0.2062780269	35	14	0.4
aged	262	14	0.0534351145	9	0.03435114504	38	1	0.02631578947
aged	251	17	0.06772908367	31	0.1235059761	38	8	0.2105263158
aged	262	9	0.03435114504	21	0.08015267176	47	13	0.2765957447
aged	287	30	0.1045296167	66	0.2299651568	24	5	0.2083333333
aged	400	24	0.06	27	0.0675	88	8	0.09090909091
aged	147	12	0.08163265306	1	0.006802721088	18	2	0.1111111111
normal	329	6	0.01823708207	89	0.2705167173	64	7	0.109375
normal	129	13	0.1007751938	13	0.1007751938	37	2	0.05405405405
normal	349	17	0.04871060172	54	0.1547277937	54	4	0.07407407407
normal	227	19	0.08370044053	28	0.1233480176	60	3	0.05
normal	165	15	0.09090909091	6	0.03636363636	22	3	0.1363636364
normal	313	20	0.06389776358	64	0.2044728435	30	2	0.06666666667
normal	151	16	0.1059602649	36	0.238410596	32	0	0
normal	116	9	0.0775862069	7	0.06034482759	40	0	0
normal	122	5	0.04098360656	22	0.1803278689	28	0	0
normal	491	31	0.06313645621	249	0.5071283096	126	102	0.8095238095

Figure S1. Sample Dataset of how data was collected for statistical comparison. 1 = 100% in percent columns.

	#Males	#Females	age	Serum Cr.	BUN	Cr Clearance	Glucose
Aged	9	3	71.84166667 +- 5.239961543	1.385 +- 1.030952781	20.72727273 +- 10.83596705	65.2925 +- 24.74782529	102 +- 29.48898099
Normal	8	2	58.01 +-6.089052106	0.867 +- 0.1097522462	15.3 +- 4.448470399	92.033 +- 9.188469888	94.1 +- 15.90562444
P-value			0.00001316537929	0.1309396808	0.1572980067	0.004239865994	0.46105039
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Figure S2. Clinical Dataset







Figure S5. Percentage of Non-Afferent/Efferent hydinosis. Approximately 18% of blood vessels have hydinosis for the con the aged group has 11%. Despite this difference there is no significant difference.



