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Shanghai University Of TCM About OMICS International Conferences

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Metal Element on Non-alcoholic Fatty Liver Disease(NAFLD)

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Mixed standard solution (26): such as Na \smallsetminus Mg \checkmark K \checkmark Ca \checkmark Fe \backsim Cu、Zn、V、Mn、Cr



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	2	100	5.64	1.7255	1. 7028	1.951	1.3265	2. 41.97	0.86154	5.6425	6. 6377	0.015248
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L	4	131	5, 94	1.6825	0.77316	0.85175	7.725	1.8037	1.5946	0.67724	0.846	0.38793
L	5	64	6. 53	1.5079	2.0301	5.6693	2.8511	12.845	13, 398	7.7217	9, 0834	6. 5216
	6	76	6.85	18.352	9,071	9. 4263	10.229	7.1339	6.33	T. 0931	4.25	3.0977
	T	73		14. 311	13,478	16, 271	29,014	9, 6294	7.8561	6.8738	13, 301	4.7329
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L	9	101		22.76	235.65	281.7	134.41	99.315	47.796	26.237	8,5432	13, 737
L	10	102		28.544	88, 838	81, 913	45.302	26.159	348.84	68,789	1.3438	9,8395
	11			6, 545	14.424	12. 788	3.9873	11.997	14, 155	12.142	5.1545	1.254
L	12	105	T. 48	9.0409	6, 3652	2,1001	35, 649	7,453	2, 9893	8,6927	47.041	33. 774
L	13	123		1.8924	4, 1935	8, 4879	5,1218	11,884	2.6327	7.1438	0.41602	1.1138
L	14	70		13, 713	319.77	13.015	8.2153	9.0434	12.143	8.5796	37.269	3,1393
L	15	116		32, 838	9.3182	15, 137	7.7187	60.285	62, 879	36, 239	42.63	30, 607
L	16	128		10, 954	4.75/08	8, 8368	2.5188	2. 7921	2.4681	4.3838	1.0094	2,6361
1	17	82		170.98	66, 241	61.971	102.16	123.62	126.34	47.207	59,001	25, 088
	18	113		00, 866	17.302	32, 83	10, 223	6, 2157	5,1495	20, 971	53, 052	38, 089
L	19	91		30, 675	51.685	109, 86	BB. 545	29,126	164.36	34,095	13, 442	37. 739
L	20	85		13.043	11.865	20, 632	13.327	11.44	8, 2907	14.152	7.1257	2,5513
Ŀ	21	169		23, 64	0.19565	12, 521	19.5	0.6333	21.484	T. 9064	0.75016	3. 147
L	22	141	8.49	4.8961	1.4857	2.3917	1.3924	0.96533	0.96679	2.0889	1.012	2.8521
L	23	116		146	182,14	2.7716	171.89	86, 226	88, 466	350, 5	143, 92	62, 13
L	24	142	8, 64	20.778	9,9414	13.84	15, 893	23. 337	19, 363	9,399	10,62	5,069
E	25	143		5.332	5.1186	4. 2496	3. 493	4.715	2.7297	1.7405	0.99602	1.5185
L	26	102		851.79	1269.8	1157.7	\$30, 69	414.13	2,0045	1002.2	2699.4	1798
L	27	74		902.12	441.61	341.4	62.498	1656.1	1727.4	995.55	1171.1	B40. H3
1	28	115	8,92	1.9254	2.6423	2.7593	3, 5658	1. TSO6	1.2255	2,1985	1.1911	7.992





Control group: 8 Model group : 8 Herb group : 8

- Herb group
- once/day(by gavage) 4 weeks
- Collect serum liver
- liver function indexes detection histological study



Result

pathological section











Figure Relative changes of metal elementsin Control-Model-Drug



*P<0.05; ** P<0.01 model group compared with the control group # P<0.05 model group compared with the Drug group

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Changing trend of different elements

element	Model	Drug	
Cr	down	up	
Se	down	up	
Zn/Cu	down	up	
Cu	up	down	
Ca/Mg	up	down	
Mn	down	up	
К	up	down	
	element Cr Se Zn/Cu Cu Ca/Mg Mn K	elementModelCrdownSedownZn/CudownCuupMnupMnup	

Fold change analysis of metal elements in Control-Model-Drug





























Our team



Thank you for your attention!

Welcome to china ; welcome to shanghai !



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• We welcome you all to our future conferences of OMICS International

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