36 名健康人辰酉时进餐前后胃电图观察

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内容摆竖 36名健康人辰酉时进餐前后体表胃电图的观察表明。餐前胃电参数辰时低 于酉时,振幅有显著差异 (P<0.001): 辰时餐后胃电振幅变化小于酉时,差异显著 (P< 0.05),频率变化大于酉时,但无统计学意义(P > 0.05)。实验结果提示利用胃电诊断疾病, 须考虑时间节律的影响,也为于午流注这一古典的时间医学理论提供了客观佐证。

人体几乎全部生理机能都具有周期为24小 时的节律性变动(1),研究胃电的时间变化规律, 不仅对临床更好地利用这一指标来诊治疾病有 一定意义,而且能为进一步探讨针灸子午流注 学说打下基础。本工作对36名健康育年学生辰 酉两时辰进餐前后胃窦及胃体部的胃电图进行 了初步观察。

对象与方法

本组观察对象为无胃肠疾患的健康学生, 男女各 18 人, 年龄 均在 20~30 岁之间。用 EGG-1A型胃电图仪的 I、Ⅱ导联分别 固定 于胃窦、胃体的体表投影处(2),记录参数、电 极固定方法如周氏等报告(3)。受试者静 卧 5~ 10分钟后,以Ⅰ、Ⅱ导联顺序各记录 5 分钟空 腹胃电图。仍取检查时仰卧位,在不饮水或其 较(餐后胃电有完整记录的 34 例),结果餐后 它饮料的情况下进食中等质量蛋糕 50g, 待全 胃电振幅的变化程度辰时小于酉时, 有显著性 部吞咽动作完成后 3 分钟,再如餐前顺序记录 两导联各 5 分钟。同一受试者实验限在当天辰 时(7~9点)与酉时(17~19点)或当天酉时与 次日辰时内完成(两者各半)。试验前空腹时间 均在 5 小时以上,第一次试验完后,四个电极 固定部位均以圆珠笔标记,第二次试验时先用 酒精棉球擦净,然后在该处固定电极,使两次 试验的电极部位一致。记录过程中如因咳嗽、 欠身等异常情况干扰胃电波形者, 做出标记, 予以剔除。

实验结果

一、辰酉时餐前胃电参数比较: 36例两时 辰胃电振幅比较,胃窦、胃体部辰时均低于西 时,有非常显著性差异(P<0.001); 频率辰时 略低于酉时,差异无统计学意义(P>0.2), 见 表 1。

表 1 辰酉时餐前胃电参数 (M±SD)

사 다 나 소나	振	幅 (µV)	
組別 例数	I	11	频 率 次 min
展时 36	3 156.78±65.0	5 123.71±62.15	2.88 ± 0.2
酉时 30	$6 222.97 \pm 97.8$	2 180.06±83.56	2.92 ± 0.15
P值	<0.001	<0.001	>0.2

二、辰酉时进餐对胃电影响程度的比较: 将两时辰进餐前后胃电参数差的绝对值进行比 差异 (P<0.05), 而频率的变化程度辰时大于 酉时, 但无统计学意义(P>0.05), 见表 2

表 2 辰酉时餐后即刻胃电变化程度 (M±SD)

组别		揼	幅 (μV)	频 率 (次/min)
	例数	I.	Ū.	
反时	34	47.15±35.97	44.26±31.94	0.16±0.13
酉时	34	71.47±59.61	70.56 ± 62.01	0.10 ± 0.13
P值		<0.05	<0.05	>0.05

以上说明辰酉时餐前胃电水平不同,对同 一进餐刺激的即刻反应程度也有差异。

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讨 论

生命现象以近似24小时的周期变动着,已为越来越多的事实所证明¹⁰。针灸子午流注学说早就认为,脏腑经络的功能活动随着一日十二时辰中气血循环流注而呈现出周期性盛衰的

变化规律,在这一点上,现代时间生物医学与古老的"子午流注"找到了共同之处,用时间动态的观点来看待胃电等生理指标,这与子午流注之理是若合符节的。诚然,胃电与中医所指"胃"的机能及胃经气血的活动不能完全等同,但通过观察胃电的时辰差异,在一定程度上能间接地为针灸子午流注、胃经气血流注的时间特性提供客观佐证。本实验只是以胃电为指标探讨子午流注等时间针灸法的基础工作,研究尚待深入。

(本工作承蒙安徽中医学院针灸经络 研 究所许 冠荪副研究员、江苏 省中医研究 所 生 理 研 究 氢 华 兴邦副研究员指导,此致衷心感谢。)

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双赤煎剂治疗乳房囊性增生病 117 例

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本文以清热解毒、活血化瘀为主,自拟双 赤煎剂 治疗乳房囊性增生病 117 例,疗效较好。报告如下。

一般资料 本组 117 例皆为已婚妇女,年龄 32~56岁,平均 40.5岁。主要临床表现为:乳房内胀痛,能扪及椭圆形或梭形扁平状物,与皮肤及基底无粘连,可活动,质地初而不便;无急性炎症表现,腋下淋巴,结不大;肿块有经前增大、经后缩小的现象,钼 靶 X 线摄片显示乳房导管增生征象。本组左侧发病者30 例 (25.6%),右侧发病者39 例 (33.3%),两侧同时患病者48 例(41%)。

治疗方法 均以自拟中药方剂内服, 极个别患者 辅以穿心莲片和胎盘组织糖衣片。方剂, 双花、连翘、蒲公英各9~30g, 赤芍、桃仁、川楝子各3~9g, 元朝、木香各3~6g, 陈皮6~12g, 炒枣仁9~15g,

生甘草 3~6g。水煎服,每日一剂。根据病情随证加减: 食欲欠佳加焦三他,结节或条索状物消散迟缓加三棱、莪术或穿山甲、皂角刺。本组患者服药最少者5剂,最多者18剂。

结果 疗效标准: 显效: 自觉症状(指乳房胀痛, 上臂牵扯痛, 睡眠不好等) 消失, 体检乳房内结 节或 条索物软化、消散, 经随访一年以上病情稳定, 无复 发。好转: 自觉症状好转, 体检结节或条索 状物 有 所软化。无效: 自觉症状、体检乳房内结节或条索状 物无变化甚或有增大。本组显效者 87 例(74.4%), 经 随访 4~9年, 未见复发, 好转者 28 例(23.9%), 无 效者 2 例(1.7%), 总有效率达98.3%。

本疗法效果明显, 无副作用, 不行手术, 方法 简便, 患者易于接受。

Observation of Electrogastrogram at Chen Shi(辰时) and You Shi(酉时) before and after Meal on 36 Healthy Persons

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To research the different time-relevant pattern of gastric electricity could provide evidence to utilize it better in diagnosing and treating diseases, and to lay a foundation for exploring "Zi Wu Liu Zhu"(子午流注, to select certain acupoints in matching with "Heavenly stem and earthly branch"). The electrogastrogram (EGG) of gastric corpus and antrum of 36 healthy young students have been observed by means of checking from body's surface both at "Chen Shi" (CS, from 7 to 9 am) and "You Shi" (YS, from 5 to 7 pm), before and after meal. The results were: Before meal, the parameter of gastric electricity at CS was lower than that at YS, but only the amplitude had a significant difference (P<0.001); and after meal, the variation of amplitude of gastric electricity at CS was smaller than that at YS, the difference was also remarkable (P < 0.05). While the variation of frequency at CS was greater than that at YS, but there was no statistic significance (P>0.05). The above-mentioned results indicated that the gastric electricity level at CS and YS before meal was different, thus the extent of immediate response to the stimulation of food was also different. It was suggested that in clinical practice, when the EGG was used to make the diagnosis of gastric diseases and evaluate the therapeutic effect, the various time of examination may exert influence on the parameters of gas: ic electricity. Furthermore, this result to a certain degree also provides us with an objective evidence indirectly for "Zi Wu Liu Zhu" of acupuncture and for the time character of Qi (气) and blood circulation in stomach channel.

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Observation of TCM and WM Therapy in Treating 330 Cases of Upper GI Tract Bleeding

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In order to evaluate effects of *Rheum officinale—Bletilla striata* powder (RBP), Sihuang decoction (四黄汤 *Rheum officinale, Rehmannia glutinosa, Coptis chinensis* and *Astragalus membranaceus*), cimetidine and PAMBA, 330 patients with upper GI tract hemorrhage randomized into four groups were observed. The effective rate and the average time of negative conversion of occult blood in feces of RBP, Sihuang decoction, cimetidine and PAMBA were 97.1% (68/70) and 4.13 ± 3.0 days, 90% (90/100) and 3.51 ± 1.54 days, 98.9% (90/91) and 7.58 ± 4.75 days, and 94.2% (65/69) and 6.66 ± 3.79 days respectively. The differences in effective rates among 4 groups were not statistically significant (P>0.05). The differences of the time of negative conversion of occult blood between the two TCM groups (RBP and Sihuang decoction) or between the two WM groups (cimetidine and PAMBA) were also not statistically significant (P>0.05), but between TCM and WM groups, the differences were statistically significant (P<0.01). The effective rate of TCM groups were better than that of WM groups, and the side effect of the TCM therapy was fewer. Therefore these Chinese herbs could be used to treat upper GI tract bleeding, but when the GI bleeding was caused by gastric cancer, esophageal varix of liver cirrhosis and arteriosclerosis, etc. it should be treated carefully.

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Alcohol Extract Preparation of Leontopodium in Treating 45 Chronic Nephritis Patients Chang Guirong(常桂菜)

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The alcohol extracted Leontopodium was used to treat chronic nephritis. The oral dose of 600mg per day was equivalent to Leontopodium 50.8 g. The clearance rate of urine protein was 87%, and the recovery rate of renal function was 53~58%. The hematuria recovered to normal. Three-year follow-up showed that the total effective rate was 77.8%, including the marked effective rate 17.8% and the effective rate 60%. The pharmacological study indicated that the active ingredients were protocatechnic aldehyde, 3, 4-dihydroxycinnamic acid and vanillic acid, etc. The principal effects were anti-allergic and anti-inflammatory action, inhibition of emigration of polymorphus leucocyte, lysosome, histamine, 5-HT induced inflammatory reaction and capillary permeability.

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