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Abnormality of coupling between β_2 receptor and adenylyl cyclase in isolated human bronchi passively sensitized by allergen

Song Pingfang, Yang Zhaoheng, Huang Yong, Duan Xuwei, Duan Jie (Department of Respiratory Diseases, Daping Hospital, Third Military Medical University, Chongqing, 400042)

Abstract Objective: To determine if allergen challenge can result in the abnormality of coupling between β_2 receptor and adenylyl cyclase (AC) in isolated passively sensitized human bronchi. Methods: Bronchus rings of 2-4 mm in diameter were obtained from 12 patients undergoing lobectomy. Passive sensitization of human bronchi was induced with the serum containing high level of IgE to house dust mite. The control, sensitized and allergen-challenged rings were used to establish the cumulative concentration-response curves to β_2 receptor simulant, salbutamol and forskolin that is an AC activator. Results: The relaxant response to salbutamol was reduced but the relaxant effect to forskolin remained unchanged in the challenged rings as compared with those in the control and passively sensitized rings. Conclusion: Dysfunction of β_2 receptor due to allergen in passively sensitized human bronchus rings is related to abnormality of coupling between β_2 receptor and AC.

Key words adrenergic beta-2 receptor; adenylyl cyclase; asthma

晚期癌症病人的临床护理

Clinical nursing of advanced cancer patients

吴丽梅* 钟元培 (第三军医大学附属西南医院肿瘤科) 重庆, 400038

晚期癌症,在现代医学中尚无法使病人治疗后得到痊愈。如何为这一时期的病人提供良好的服务,使他们能尊严地、舒适地度过人生最后时光,根据临床工作的经验,我们总结如下。

对象:姑息性治疗的病人32例,其中男21例,女11例,在调查期间死亡的4例,年龄在35~80岁,文化程度,初小至本科。

经过一系列调查发现:① 他们要求置身于一个环境宁静,气氛宽松,生活服务周到的,与外界联系方便的环境中。② 要求有效地控制或减轻疼痛。据统计,晚期癌症病人产生疼痛的有60%~90%[1],有效地控制疼痛,可明显地改善病人的睡眠以提高病人的生活质量。③ 病人需要同情与安慰。倾诉,成为病人在这一时期的一大特征,面对着善解人意,耐心倾听的护理人员,他们会把自己的悲与喜告诉你。④ 要求医务人员技术熟练。对晚期癌症病人,多以支持及对症治疗为主,由于各种原因,静脉穿刺较困难,护士技术的好坏,很影响病人的情绪。⑤ 对基础护理质量的要求高。由于病人多长期卧床,都很希望及时更换被服,衣服,以使身体感觉舒适。

根据以上情形,我们拟定护理措施:① 提供一个舒适的环境;② 良好的服务态度,此所谓:良言一句三冬暖。③ 优良的技术服务,提高穿刺技术,开展静脉导管插植等,减少病人痛苦。④ 及时更换被污染的被服,让病人身体感到舒适。⑤ 对卧床病人,确保不发生褥疮,及时给予翻身,按摩被压迫部位,人力不够时,要指导与督促其家属,对其耐心护理。⑥ 疾病与死亡的来临,不仅只对人体的摧残,对人的精神有时更是极大摧毁,帮助病人之间的交流,毕竟是"同病相怜",有时,病人之间的劝慰,疏导有效更多。⑦ 死亡是不可逆的,人人都留念生存,护士一定要能够耐心地倾听,给予病人一个宣泻的机会与渠道。⑧ 及时,准确地提供止痛剂,癌症病人使用止痛剂,有些会产生药物依赖,这类病人会说谎,骂人等,护士应给予充分地理解与同情,不与病人发生冲突。⑨ 对于病人及家属去求神,拜佛,投中医,求偏方等,应给予理解与指导,在医学无回天之力的情况下,尽量使其得到心理上的满足,又不致于上当受骗。

总之,晚期癌症必然涉及临终关怀问题。医学尚无法起死回生,有时延长生命等于延长痛苦,因而我们的护理观察,必然要从单一护理人转变到现在实施的生物——社会——心理医学模式的整体护理。尽量满足病人的合理要求,提高其生存质量,使病人临终前的一段时间得到尽可能的关怀和照顾,尽量舒适而尊严地度过人生的最后时刻。

关键词 晚期癌症;临终关怀

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(编辑 王 红)

* 吴丽梅,女,35岁,主管技师

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