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SOMCHIT DOUNGKAE : COST ANALYSIS OF ANESTHESIA FOR THE CESAREAN SECTION IN RAJAVITHI HOSPITAL. THESIS ADVISORS : PIYATHIDA TRIDECH, Dr.P.H., WILAILUK WISASA, BSc.P.H., M.A.(Economics)., WORASAK SAIGOSOOM, BSc., M.D., TBA. 130 p. ISBN 974-663-036-9

At the present time, according to the limitation of resources and economic crisis, the rate of Cesarean Section at Rajavithi Hospital has a tendency to increase every year. The Anesthesia Department also has a problem with the limitation of its budget. Cost analysis is a method to show factors concerning the distribution, increase or decrease of necessary costs.

The purpose of this research is to analyze from a provider prospective the cost of anesthesia for the Cesarean Section under general anesthesia, epidural anesthesia and spinal anesthesia at Rajavithi Hospital from January 1, 1999 to January 31, 1999.

The result of research showed that the total cost of anesthesia for the Cesarean Section was 248,349.59 baht (average 1,182.62 baht/case). The cost of general anesthesia was the lowest average, was 1,139.73 baht/case (total cost 164,120.66 baht), spinal anesthesia was the highest average, was 1,281.91 baht/case (total cost 55,122.08 baht), epidural anesthesia averaged 1,265.51 baht/case (total cost 29,106.85 baht). Comparing hospital anesthesia cost and medical service charges with hospital charges, the result showed that costs every technique for of anesthesia for the Cesarean Section, were higher than receipts, and the hospital had to make this up. Over payment for general anesthesia was 166.75 baht/case, epidural anesthesia was 570.29 baht/case and spinal anesthesia was 528.54 baht/case. Therefore, the hospital and Anesthesia Department had to use a new standard and proper price list for anesthesia services and tried to decrease the time necessary for anesthesia. Preparation of the patients and obstetrician and better planning for surgery were necessary to decrease anesthesia time, the cost of anesthesia personals, anesthesia drugs and medical supplies.