

Cost analysis of colorectal cancer (CRC) management in UKM Medical Centre using clinical pathway

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Background

Colorectal cancer (CRC) is the second leading cause of cancer death in Malaysia. The management of CRC involves a multidisciplinary approach. The clinical pathway (CP) is a systematic approach to the management of a patient with a specific condition. The CP for CRC management in UKM Medical Centre (UKMMC) is based on the current clinical practice. The aim of this study was to analyze the cost of CRC management in UKMMC using the CP.

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Materials and methods

The study was conducted in the Department of Surgery, UKM Medical Centre. The CP for CRC management was used as the basis for the cost analysis. The cost of each component of the CP was identified and recorded. The total cost of CRC management was calculated for each patient. The mean cost of CRC management was compared with the current cost of CRC management in UKMMC.

Results

The mean cost of CRC management using the CP was RM20,831.36. The current cost of CRC management in UKMMC was RM17,624.77-RM24,225.15. The mean cost of CRC management using the CP was significantly lower than the current cost of CRC management in UKMMC (P < 0.05).

