

INNOVATIVE TECHNIQUES IN PROCTOLOGY

Purpose

Innovation is defined as the introduction of something new, whether an idea, method or device. Scientists, pharmacists, physicians and surgeons all over the world are always on the look out for new innovations. The common goal of all these innovations is to improve patient care by decreasing morbidity and mortality. These innovations continue to pursue the surgeons to refine, redefine, improve and invent by keeping an eye on technological advances through training and systematic research.

Materials and methods

We identified and reviewed recent publications in the area of proctology. In the last decade, many new inclusions have been added in the field of proctology which mainly includes the staplers, harmonic scalpel, ligaSure, fistula plugs, doppler guided dearterialization, glues for fistula closure, radiofrequency surgery and few more. The main aim of introduction of these procedures is to improve in patient care, more particularly patient satisfaction, as it is considered that the new surgical procedures will be advantageous as to effectiveness and/or safety of the patients over the conventional techniques; and to be more cost effective than the established procedures.

Conclusions

The introduction of new techniques and technologies in medical science is both stimulating and controversial. While the exact therapeutic sequence of these new alternatives are yet to establish their supremacy over the conventional procedures, current success rates are encouraging. Multi-institutional studies, randomized when practical, will be necessary to further define the safety and efficacy of these new surgical techniques and to label them as best practices in proctology surgery. It is crucial to choose the right procedure as determined by the underlying pathology. It is recommended that a tailored surgery, with the use of different procedures according to the need of the time and condition is utmost necessary to achieve the best results.

Key words- innovations, proctology, patient care