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CASE REPORT

Intraoperative Rare Complication of Excision of a Large Loop Transformation Zone

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ABSTRACT:

The case study discussed patient oriented quality care can enhance patient safety and increase the competency of healthcare professionals, even when they follow standard operating procedures and deal with unforeseen complications in performing LLETZ. This case report aims at validating the qualitative routine procedures against rare and complicated cases of LLETZ. The case concludes that every surgery should be performed carefully and properly to avoid unnecessary aftereffects in order to maintain efficient quality control. Simple and normal procedures were carried out by surgeons performing to the best of their abilities, competently, and with careful attention to patient safety. Though complications arose and were difficult and uncommon, the trained professional successfully navigated the procedure in such circumstantial emergencies.

KEYWORDS: Large Loop Excision of Transformation Zone, Cervical intraepithelial neoplasia, Loop Electrosurgical, Excision Procedure (LEEP).

INTRODUCTION:

Since its creation by Dr. Sheldon Weinstein in the 1970s, the Large Loop Excision of Transformation Zone (LLETZ), a type of surgery that removes a small portion of the cervix to treat cervical cell alterations, has been shown to be very effective, reduced blood loss, and inexpensive^{1,2}.

One of the literature reveals the technique of LLETZ, a new method of management for women with an abnormal cervical smear which offers the advantages of conization with those of local destruction.³ A large loop of thin wire forms a diathermy electrode that allows deep excision of the transformation zone with minimal tissue damage. The tissue removed can be examined histologically.

It is accepted by most clinicians as a safe, user-friendly out-patient procedure. It rose to its fame with the concept appearing to provide the most reliable specimens for histology with the least morbidity⁴. Evidence based thoughts of literature states that Large-loop excision of the transformation zone (LLETZ) is popular treatment for women with cervical intraepithelial neoplasia (CIN) before long-term effectiveness and safety have been fully evaluated. LLETZ is also effective when used as a repeat procedure. The advantage of this procedure far outweighs the risk and its success rate is around 90%. The post-operative morbidity is unremarkable in most cases. The complications are infection, bleeding, abnormal vaginal discharge and preterm labour in the long-term. Cervical incompetence and cervical stenosis are recognized outcomes in future. It is a case report on LLETZ with a rare intraoperative complication which we encountered in our practice.

The case study on how superior care can enhance patient safety and enhance the competency of healthcare providers even when using standard operating

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