



Bapuji Educational Association (R.)

COLLEGE OF DENTAL SCIENCES

I Q A C

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Best practices: 1

Title of practice: Treatment of haemophilia patients

Objectives:

- Proper history for bleeding disorders
- Any familial history of the disorder
- To diagnose the bleeding condition
- Examination the condition of patient
- Treat the patient depending on the condition of the patient.

The context:

Haemophilia patients faces the challenge by experiencing bleeding from the skin, gums or joints or any other structures within the body. Treating these patients is crucial as there are chances of excessive bleeding and deficient of clotting factors. This type of patients are unable to maintain their oral hygiene leading to mobility of teeth ultimately mild ooze from the gums. Grossly decayed teeth lead to multiple facial spaces infections rendering them emergency condition for treating for life risk.

The practice:

This institution managed haemophilia patient's challenges by treating these patients with dental problems which can even be life threatening in certain cases. Dental problems in these patients poses difficulty in managing emotionally as well as psychologically. These patients usually manifest with bleeding from multiple sites in gingiva and post extraction haemorrhages depending on severity of the disease. Poor oral hygiene and iatrogenic factors also can induce oral bleeding.

Institution consulted Haematologist to determine the type of disorder involved and counselling these patients to increase the awareness of importance of good oral hygiene in order to avoid invasive dental care.

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Surgical management of these patients were consulted with Haematologist regarding the factor levels, factor replacements, type of surgery and the need for systemic hemostatics. Analgesic and antibiotics are advised on consultation with haematologist. All these patients are given good oral hygiene instructions to maintain oral hygiene to prevent bleeding from gingiva.

Management of these patients usually depends on severity of the condition with avoidance of harsh maneuvers during dental treatment by preventing accidental damage to oral mucosa and protecting the soft tissue during restorations, while using saliva ejectors and placement of X-ray films along with use of local hemostatic measures and resorbable sutures.

Evidence of success: Institution took all measures to follow International guidelines which advise the use of clotting factor replacement therapy for all invasive surgical interventions.

The close cooperation between haematologist, general physicians, dentist and surgeons will help to provide utmost and holistic care with appropriate treatment for these patients in our institution.

Problems encountered:

Identifying the unknown condition

Managing the procedures delicately

Managing the patients psychologically.

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Best Practice: 2

Title of practice: Model games for students making learning simple

Objectives:

- Increase the success rate of students
- Efficiency in understanding the concept of the subject
- Games in pre-clinical and clinical practice creates an enjoyable learning experience for both undergraduate and postgraduate students

The context:

Preclinical games allowed students to be taught in a different manner and let students practice several times. They are cost effective by saving money on consumables such as dental materials. It is also a good opportunity for a flipped classroom approach to learning, as students can play the games before their classes. Such training saves time and prepares them for their preclinical teaching. Several scenarios can be gamified in pre-clinical and clinical practice creating an enjoyable learning experience for both undergraduate and postgraduate students

The practice:

Our institution used various online websites, such as Google forms, Survey monkey or Purpose games, were used to create multiple-choice questionnaires using picture and/or video media. These websites helped to view and comment on respondents' performance in a formative evaluation.



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The various model games that were incorporated into teaching were

Quizalize

Brain writing

Concept mapping

Micro lectures

Match the following

Evidence of success:

Gaming technology offered a new and different approach to undergraduate and postgraduate students education. The use of such simple game technology could transform the teaching and promote an interactive way of learning. It provided a potential for new approaches to the learning space and to implement it and inspired students to use it. Students were motivated and had similar gains in knowledge compared to the traditional teaching.

Problems encountered and resources required:

- Goals of learning were not easily incorporated into games.
- Difficult in designing the game and are time consuming.
- Limited academic incentives to introduce these new technologies
- Teachers need time to prepare, implement and test the games before providing them to students.

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