

3PC-053

NEW FORMULATION FOR THE TREATMENT OF ANTINEOPLASTIC AND RADIOTHERAPY-INDUCED MUCOSITES

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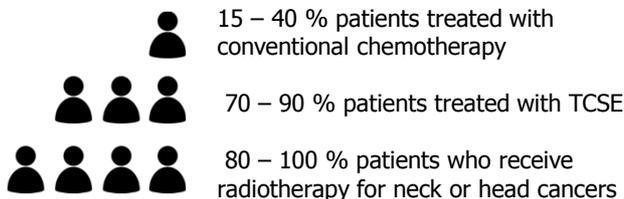
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BACKGROUND

The most common side effects of chemotherapy or radiotherapy are linked to systemic toxicity and toxicity toward rapidly growing cells.

Because of pain and difficulty in eating due to mucositis, 16-32% of these patients require recurrent hospitalization. Obviously, this side effect bears heavily on the Italian healthcare system budget.



PURPOSE

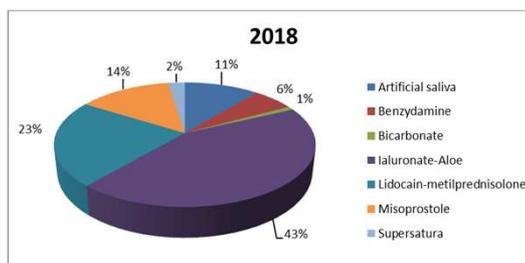
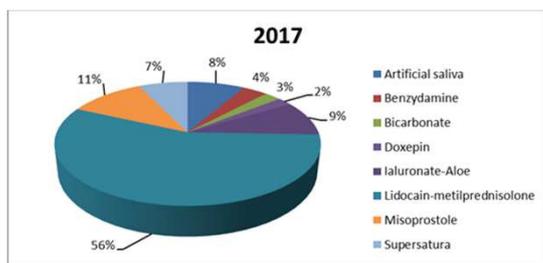
To deal with these challenges, hospital pharmacist working with other health professionals have developed new formulations.

MATERIALS AND METHODS

After researching the latest information on Galenic formulations in large literature databases¹, the hospital pharmacists evaluated currently available products and proposed new formulations. Once they prepared the formulations, they developed leaflets for each formulation to be given to the patient and caregiver. Treatments were provided for mucosites assigned a score from 0 to 3 on the WHO scale.

RESULTS

Of the formulations proposed, the hospital pharmacists adopted 6 solutions and 1 gel. Up to August 2017, the only one they produced was a formulation of lidocain and metilprednisolone. Subsequently, they added formulations of Ialuronate-Aloe (40% of the formulations provided), Misoprostole-artificial saliva (11%), followed by Benzzydamine and Supersatura (a solution containing sulphates and chlorides). In July 2018, Doxepin and Bicarbonate formulations were prepared, while the use of lidocain and metilprednisolone continued (23%).



CONCLUSION

The new formulations were introduced to maintain and increase oral hygiene, limit the risk of infections, moisturize the oral cavity and relieve pain, all things that were not achievable with the previous formulations.

