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## Iodoform: A boon in disguise

PDF (Size: 277KB) PP. 322-325 DOI: 10.4236/ojst.2012.24055

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### ABSTRACT

Iodoform is also known as triiodomethane a yellow crystalline solid belongs to the family of organic halogen compounds used as an antiseptic component of certain medications. It was first prepared in 1822 by electrolysis of aqueous solutions of acetone, inorganic iodides and sodium carbonates. Its antiseptic action discovered in 1880, which made it an important medicinal. It has no irritant action; it has antiseptic, disinfectant properties. In this article we are sharing our experiences of iodoform dressing in different conditions like for the cyst healing and management of dry socket, followed by a review of its various applications in literature. The open packing has been used successfully as a secondary healing method to help bone tissue healing, results were similar to secondary healing of alveolar socket after tooth extraction. Bony healing was confirmed radiographically. The release of elemental iodine when applied to the tissue which has a mild disinfectant action with the organic tissue, iodine is slight irritant to the tissue which may promote granulation tissue formation.

### KEYWORDS

Keratocyst; Alveolar Osteitis; Bone Healing

### Cite this paper

 Singh, V., Das, S. and Sharma, N. (2012) Iodoform: A boon in disguise. *Open Journal of Stomatology*, 2, 322-325. doi: 10.4236/ojst.2012.24055.

### References

- [1] Iodoform (2012) Encyclop?dia Britannica. Encyclop?dia Britannica Online. Encyclop?dia Britannica Incorporated Webside, 30 March 2012.
- [2] Stoelinga, P.J.W. (2001) Long-term follow-up on kera-tocysts treated according to a defined protocol. *International Journal of Oral and Maxillofacial Surgery*, 30, 14-25. doi: 10.1054/ijom.2000.0027
- [3] Maurette, P.E., Jorge, J. and de Moraes, M. (2006) Con-servative treatment protocol of odontogenic keratocyst: A preliminary study. *Journal of Oral and Maxillofacial Sur-gery*, 64, 379-383.
- [4] Enislidis, G., Fock, N., Sulzbacher, I. and Ewers, R. (2004) Conservative treatment of large cystic lesions of the man-dible: A prospective study of the effect of Decompression, *British Journal of Oral and Maxillofacial Surgery*, 42, 546-550.
- [5] Jones, A.V., Craig, G.T. and Franklin, C.D. (2006) Range and demographics of odontogenic cysts diagnosed in a UK population over a 30-year period. *Journal of Oral Pathology and Medicine*, 35, 500-507. doi: 10.1111/j.1600-0714.2006.00455.x
- [6] Nakamura, N., Mitsuyasu, T., Mitsuyasu, Y., Taketomi, T., Higuchi, Y., Ohishi, M. (2002) Marsupialization for odontogenic keratocysts: Long-term follow-up analysis of the effects and changes in growth characteristics. *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology and Endodontology*, 94, 543-553. doi: 10.1067/moe.2002.128022
- [7] Ihan Hren, N. and Miljavec, M. (2008) Miljavec Sponta-neous bone healing of the large bone defects in the man-dible. *International Journal of Oral and Maxillofacial Surgery*, 37, 1111-1116. doi: 10.1016/j.ijom.2008.07.008

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- [8] Stoelinga, P.J.W. (2001) Stoelinga Long-term follow-up on keratocysts treated according to a defined protocol. *International Journal of Oral and Maxillofacial Surgery*, 30, 14-25. doi: 10.1054/ijom.2000.0027
- [9] Zhou, H., Hou, R., Ma, Q., Wu, K., Ding, Y., Qin, R. and Hu, K. (2012) Secondary healing after removal of large keratocystic odontogenic tumor in the mandible: Enucleation followed by open packing of iodoform gauze. *Journal of Oral and Maxillofacial Surgery*, 70, 1523-1530.
- [10] Crawford, J.Y. (1896) Dry socket. *Dental Cosmos*, 38, 929-931.
- [11] Bjercke, B. (1960) Dry socket. En oversikt. *Nor. Tann- laegeforen. Tid.*, 70, 153-163.
- [12] Partsch, C. (1892) *Über Kiefercysten*. *Dtsch Mschr Zahnheilkd*, 10, 271.
- [13] Partsch, C. (1910) *Zur Behandlung der Kieferzysten*. *Dtsch Mschr Zahnheilkd*, 28, 252.
- [14] Mitchell, D.A. (1988) Nitroimidazole for alveolar osteitis. *Journal of Oral and Maxillofacial Surgery*, 46, 720. doi: 10.1016/0278-2391(88)90176-0
- [15] Cardoso, C.L., Rodrigues, M.T.V., Júnior, O.F., Garlet, G.P. and de Carvalho, P.S.P. (2010) Clinical Concepts of Dry Socket. *Journal of Oral and Maxillofacial Surgery*, 68, 1922-1932. doi: 10.1016/j.joms.2009.09.085
- [16] Katz, K.A., Roseman, J.E., Roseman, R.L. and Katz, S.I. (2009) Dermatitis herpetiformis flare associated with use of triiodomethane (Iodoform) packing strips for alveolar osteitis. *Journal of the American Academy of Dermatology*, 60, 352-353.
- [17] Mitchell, D.A. (1988) Nitroimidazole for alveolar osteitis. *Journal of Oral and Maxillofacial Surgery*, 46, 720. doi: 10.1016/0278-2391(88)90176-0
- [18] Sharma, R.R., Cast, I.P., Redfern, R.M. and O' Brien, C. (1994) Extradural application of bismuth iodoform paraffin paste causing relapsing bismuth encephalopathy: A case report with CT and MRI studies. *Journal of Neurology, Neurosurgery, and Psychiatry*, 57, 990-993.