

## ABSTRACT

- 1. Author;** Dr.Sunil V.Kari M.S.  
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Bhagya Plaza, NCM, Deshpandenagar  
HUBLI.
- 3. Title;** Most economical & most effective topical  
Antimicrobial for DFI is Benzyl Penicillin powder
- 4. Purpose;** By 2025 India will be the capital of Diabetes .The number of Diabetics will be more than half of total number of Diabetics in the World. Out of this 15% to 20 % will be suffering from Foot Complications. The DFI after Foot exploration surgery need effective & economical topical antimicrobial for management of wounds. In India it is practically not possible to by any Ointment or Cream which is costing more than 50 rupees. So in my series of DFI I tried Benzyl Penicillin powder costing Rs.5/- & has proved very effective in healing of wounds.
- 5. Objectives:** Hubli is surrounded by 8 districts within 250 kms of radius. The total population of these 8 districts & Dharwad is 2 crore. We are looking at target population that is about 20 lakh population are at risk of Foot complications. The main objective is to salvage these 40 lakh lower limbs. I have been practicing Foot Exploration Surgery since 1995. I have done more than 20,000 foot surgeries & I could achieve salvage in every case. They are followed up regularly since so many years. The methods followed are very simple. The basis of success is Complete Foot Exploration & adequate debridement done to plan for Bio-mechanically viable Foot. The wounds are dressed with only Normal saline & Topical application of Benzyl Penicillin powder. It is available either in 5 lakh or 10 lakh strength. Depending upon the size of wound I plan dressing.
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|------------|--------------------|
| Wound Size | Ben. Pen. powder   |
| 1–2 inches | ½ vial of 5 lakh   |
| 2–4 inches | 1 vial of 5 lakh.  |
| >4 inches  | 1 vial of 10 lakh. |

**6. Conclusion.** BP powder has done wonders in healing of DF wounds. My patients are very happy for economy & ease that they are comfortable doing dressing at home on their own. They visit me once in a week. The BP powder has unique role of neo-vascularisation & thus there is good red granulation at wound within 3 weeks. C/S specific antibiotic & local BP application will prove excellent healing of DF wounds. The total cost of topical antimicrobial powder till healing will not cross Rs.100/- in 4 to 6 weeks.

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