

#1945 - Is silver nitrate cautery an effective treatment option for peritoneal catheter exit- site granuloma? A case report

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Body

Introduction: Exit- site granuloma is a prevalent complication of peritoneal dialysis (PD) which can lead to tunnel infection, peritonitis and subsequently catheter failure. Silver Nitrate cautery is an effective but challenging procedure for the treatment of exit site granuloma. Here we report our experience with the cauterization of large exit-site granuloma using silver nitrate sticks in a continuous ambulatory peritoneal dialysis (CAPD) patient.

Case: We report a female patient on CAPD who developed a large sized exit site granuloma. The patient was initially treated with a combination of oral ciprofloxacin (250 mg twice per day) and topical mupirocin; however, the granuloma did not show any sign of healing with 2 weeks treatment. Then, the cauterization of granuloma was performed using silver nitrate sticks. The application of silver nitrate stick was repeated twice per week. The features of exit site changed to those of equivocal following the treatment with silver nitrate sticks, although the granuloma did not resolve completely even after 12 weeks of treatment. Then the patient switched to topical mupirocin for an additional 2 weeks which resulted in complete healing of granuloma on subsequent follow up.

Conclusion: The current case demonstrates the effectiveness of silver nitrate cautery in the healing of granuloma in chronically infected exit- site even in large granuloma and resistant cases. However, topical antibiotics are recommended for the treatment of exit site after reaching equivocal features.

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