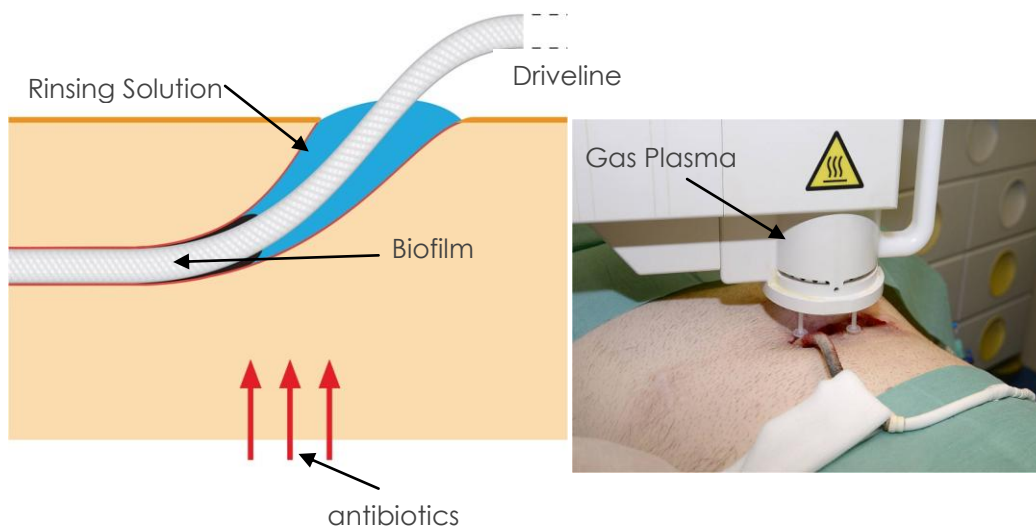


Adtec SteriPlas Treatment of Infected Drivelines

Gas plasma has already been shown to decrease the bacterial load in chronic wound dermatological applications. Recent results on treatment of infected LVAD drivelines show promising results. Gas Plasma can migrate to hard to reach areas to treat infections.

Study Outline

6 patients were treated with Adtec SteriPlas as part of their post-surgery standard treatment.



Results

Cold atmospheric plasma

CAP-Treatment of infected LVAD-systems

| Patient | Sex | Age | Localisation | Species | Treatment time | Result |
|---------|-----|-----|--------------|---|----------------|--------------------------|
| H-P. G. | M | 66 | Pump pocket | <i>Enterobacter cloacae</i> complex | 3 weeks | Complete healing |
| R. K. | M | 28 | Driveline | <i>Pseudomonas aeruginosa</i> (4MRGN) | 9 weeks | Ongoing treatment |
| F. P. | M | 42 | Driveline | <i>Staph. aureus</i> , <i>Klebsiella pneumonia</i> | 7 weeks | Healing nearly completed |
| U. R. | M | 61 | Driveline | Chronic fistula, Negativ swabs | 2 weeks | Complete healing |
| U. T. | F | 49 | Driveline | <i>Enterobacter cloacae</i> complex, <i>Staph. aureus</i> | 2 weeks | Complete healing |
| H. W. | M | 64 | Driveline | <i>Enterobacter cloacae</i> complex | 8 weeks | Wound size reduction |



New treatment options for infected chronic implants with cold atmospheric plasma
H. Rotering WUWHS Florence 2016

These tests were carried out by Dr Heinrich Rotering at the Universitätsklinik Münster, Germany and further research is planned on the use of plasma on surgical site infections.

Data presented 'New treatment options for infected chronic implants with cold atmospheric plasma' H. Rotering, WUWHS Florence 2016