

Hörsholm, Thursday January 23, 2018

## URGENT FIELD SAFETY NOTICE

For all users of XO dental units XO 4 and XO FLEX

### Dear customer

We hereby wish to inform you of a situation regarding suction hoses for the above-mentioned XO units. These suction hoses, containing magnets, have the potential to negatively impact implanted pacemakers and implanted defibrillators (ICDs). In this context, we wish to inform you about the corrective actions XO CARE as responsible manufacturer have initiated, as well as the actions we recommend you as a user of the XO 4 and/or XO FLEX to take.

### What is the situation and what are the risks potentially associated with this:

Implanted cardiac pacemakers and defibrillators are working to treat cardiac arrhythmias by delivering electrical impulses to the heart muscle. The implanted device is usually placed under the skin, often on the left side of the chest, immediately below the clavicle. From this position, it is further connected to the heart through electrodes inserted into the heart muscle.

The correct function of pacemakers and defibrillators are in principle life-saving and a disturbance of the function, therefore in principle, potentially life-threatening. Pacemakers and implanted defibrillators are delicate electronic devices that are sensitive to magnetic exposure.

The suction hose on XO 4 and XO FLEX units is fitted with a magnet built into the dark grey nipple at the distal end of the suction hose, where it connects to the suction catheter. The function of the magnet is to control a contact that stops the suction action when the hose is placed in the cradle and automatically enable suction when the hose is lifted from the cradle. These nipples are often placed on the patient's chest during treatment, in the immediate vicinity of any implanted pacemaker. (fig 1.)

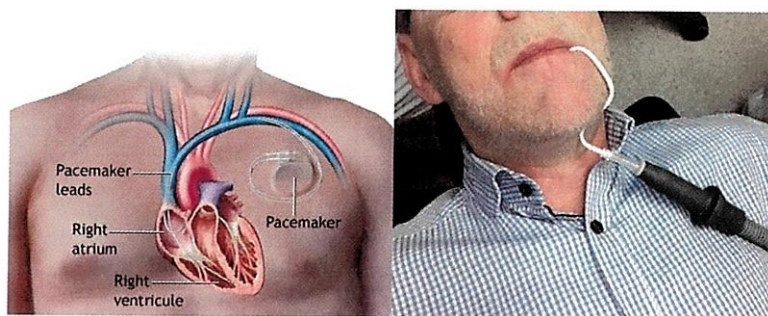


Fig 1. The typical placement of pacemaker and suction hose during treatment

XO CARE has been made aware of a single case, in which an implanted defibrillator made a warning tone in connection with positioning an XO suction hose immediately above an implanted defibrillator. By moving the suction hose from this position, the alert sound was discontinued.

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The presence of the alert sound indicates that the defibrillator has sensed a magnetic field from the magnet in the suction hose, with a potential for impacting the functionality of the device as long as the magnetic field would remain in the immediate vicinity of the defibrillator.

There have been no injuries reported as a result of this issue.

**Product correction**

XO CARE has designed a suction hose mechanical part which can be mounted on the tip of the suction hose nipple and eliminate the problem. This part is made available to you via your distributor from week 14, 2018.

**Measures to be taken by customer/user**

Until the correction is made available, you may continue to use the system following these instructions:

- Be aware if your patient carries an implanted pacemaker or defibrillator
- Ask the patient about the pacemaker's position
- Ensure not to place the suction hose nipple in proximity of the implanted pacemaker
- If possible place a folded towel or similar over the location of the pacemaker such that the suction nipple is minimum 2,5 cm above the patient
- Pay attention if any acoustic signal occurs from the pacemaker, move the suction hose nipple immediately until the acoustic signal warning tone stops

Spread this information to relevant persons within the organization.

XO CARE has reported the problem and the incident to the relevant authorities.

If you have any questions or concerns regarding this notification, please contact your local distributor or service representative.

With best regards,

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