KONICA MINOLTA

Care of the Regius Cassette and Plate

Introduction

This document is meant to be used as a guide for those individuals who are responsible for the end user care and maintenance of the Computed Radiography imaging phosphor cassette and plates that are used in conjunction with the Xpress CR and IQue CR computed radiography products.

Background

Routine cleaning of the cassette and plate is a necessary part of normal care and maintenance and is an integral part of any quality control process. Throughout normal use of the imaging plates and cassettes they can collect dust and other particulate matter that can have a negative impact on the image quality that is delivered by that imaging plate. Dust on the exterior of the cassette can impede its ability to travel normally through the digitizer causing it to foul during the insertion or ejection of the cassette. For these reasons, Konica Minolta Medical Imaging USA Inc. recommends routine cleaning of these items.

Recommendations

To remove dust and particulates, a lint free cloth or a can of moisture free spray air should be used. Once the cassette and plate have been cleaned they should be erased and then returned into regular service. Routine cleaning should be performed monthly or as the need arises.

If a particular application of the cassettes will pose a threat of coming in contact with a foreign substance such as body fluid, moisture, or other contaminate, it is recommended that the cassette is bagged prior to use in this application. If a substance of this nature does come in contact with the cassette or plate, it is recommended that anhydrous alcohol be applied to lift the substance from the affected surface and then quickly removed using a lint free cloth. Prolonged exposure to aggressive cleaning agents can have a negative impact on the lifetime of the cassette, so care should be taken to quickly and completely remove these agents once they have been applied.

The table below has been provided as a guide for the frequency of cleaning and for the cleaning agent that should be used when the need for an additional strength agent may be required.

Recommended Cleaning Materials and Frequency of Use

Cleaning Item	Cleaning Frequency	Cleaning method	Additional (residue persists)
Cassette Exterior	Monthly	Lint free cloth/Spray air	Anhydrous alcohol
Imaging Plate	Monthly	Lint free cloth/Spray air	Anhydrous alcohol