 Correction Number CP-2011

Log Summary: TID 10015. CT Dose Check Details: Alternative dose alert behavior according NEMA XR-25 (2019)

Name of Standard DICOM PS3.x 2019c

Rationale for Correction:
NEMA XR-25 which is the baseline for the contents of the Dicom Dose SR, introduces a new requirement in the 2019 version (published in 29.01.2019) demanding additional recording of alternative dose alert behavior if applicable (see also https://www.nema.org/Standards/Pages/Computed-Tomography-Dose-Check.aspx)

"When a scan is performed that exceeds an alert value, the system shall record the date and time, the operator’s name, unique study identifier, the alert value(s) that were exceeded, and the corresponding dose index value(s) that triggered the alert, and any diagnostic reason provided for proceeding after receiving an alert. If alternative dose alert behavior has been active for CT guided interventional procedure, this shall be recorded. This record shall be available for site review and audit."

In order to make sure that the Dose SR can still fulfill NEMA in future, an additional attribute needs to be introduced.

Correction Wording:

<Modify TID 10015 CT Dose Check Details>

Table TID 10015. CT Dose Check Details

<table>
<thead>
<tr>
<th>NL</th>
<th>Rel with Parent</th>
<th>VT</th>
<th>Concept Name</th>
<th>VM</th>
<th>Req Type</th>
<th>Condition</th>
<th>Value Set Constraint</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>CONTAINER</td>
<td>EV (113900, DCM, &quot;Dose Check Alert Details&quot;)</td>
<td>1</td>
<td>MC</td>
<td>IF the scanning device has implemented dose alerts</td>
<td></td>
</tr>
<tr>
<td>1b</td>
<td>&gt;</td>
<td>CODE</td>
<td>EV (&lt;XXXX&gt;, DCM, &quot;Alternative dose alert behaviour selected&quot;)</td>
<td>1</td>
<td>U</td>
<td>DCID 230 “Yes-No”</td>
<td></td>
</tr>
<tr>
<td>Code Value</td>
<td>Code Meaning</td>
<td>Definition</td>
<td>Notes</td>
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<tr>
<td>&lt;XXXX&gt;</td>
<td>Alternative dose alert</td>
<td>Flag denoting whether alternative dose alert behavior has been active for</td>
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<tr>
<td></td>
<td>behaviour selected</td>
<td>CT guided interventional procedure according to NEMA XR-25</td>
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</table>

**Note for editors:**

The log summary is a MS-Word Fields that shall be changed by the ‘Edit Field …’ function in the popup menu reached by clicking on the example text in the template. Change the text in the Field Properties window that is shown (New title) and click OK.

The log summary is the displayed as document title when the cursor is hovered over the file name in Explorer.