**Log Summary:** Support of Empty and Multiple Value Matching Query in DICOMWeb

**Name of Standard**
PS3.2, PS3.18

**Rationale for Correction:**
Supplement 233, Inventory and IOD Services, introduced Empty Value Matching and Multiple Value Matching Extended Negotiation to support Repository Queries in PS 3.4.

Much of the Repository Query functionality is supported in the DICOMWeb Search Transaction, however, for full Repository Query functionality, Empty and Multiple Value Matching are needed.

A summary is below:

<table>
<thead>
<tr>
<th><strong>PS3.4 C.6.4</strong></th>
<th><strong>Currently supported in PS3.18</strong></th>
<th><strong>Proposed Change to PS3.18</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Status Codes (C.6.4.3)</td>
<td>8.3.4.4.1 “Paging behavior”: If (remaining &gt; 0) return Warning header.</td>
<td>Use (0008,0429) “Maximum Number of Records” to compute the number of results returned.</td>
</tr>
<tr>
<td>Additional Keys for Repository Query</td>
<td>Origin server can interpret them as in Table C.6.4.1-1. Note: all attributes are optional in DICOMweb</td>
<td>Use (0008,0429) “Maximum Number of Records” to compute the number of results returned. For ‘offset’ value zero, this would result in exact same behavior in limiting responses as it does in C.6.4.</td>
</tr>
<tr>
<td>Empty Value Matching (C.2.2.2.7)</td>
<td>Not supported</td>
<td>See below</td>
</tr>
<tr>
<td>Multiple Value Matching (C.2.2.2.8)</td>
<td>Not supported</td>
<td>See below</td>
</tr>
</tbody>
</table>

This CP adds new parameters to PS3.18 Section 8.3.4 and PS3.2 Section N.5.3.2.4.1 “Search Query Parameters” to support Repository Queries. It also specifies result ordering if either (0008,014B) “Record Key” or (0008,014C) “Prior Record Key” are present in the query. The new parameters are modeled after the existing “Fuzzy Matching of Person Names”, which is included for reference.

This CP also includes a Capabilities Description example and corrects an incorrect reference in PS 3.18 Section 8.3.4.3.

Note: this CP adds the use of “Warning” header field (status code 299) as defined in RFC723 but obsoleted in RFC9111. cp2292 has been submitted to address this throughout PS3.18.
Modify PS3.2 Section N.5.3.2.4.1 as follows:

N.5.3.2.4.1 User Agent

...

The Search Transaction user agent supports query parameters listed in Table N.5-83.

[Indicate the supported parameters and their supported Values. For detail on the implementation possibilities see PS3.18 Table 8.3.4-1. Fill in specific details of your implementation if available in the "Comments" column.]

Table N.5-83. Query Parameters for Search Transaction - User Agent

<table>
<thead>
<tr>
<th>Query Parameter</th>
<th>Supported Values</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>match</td>
<td>Attribute Values to address the search (matching key). See the supported DICOM</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Attribute in the Table N.5-84</td>
<td></td>
</tr>
<tr>
<td>includefield</td>
<td>Attributes to be included in the response (return key). See the supported DICOM</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Attributes in the Table N.5-84</td>
<td></td>
</tr>
<tr>
<td>fuzzymatching</td>
<td>&lt;&lt;true false&gt;&gt;</td>
<td></td>
</tr>
<tr>
<td>emptyvaluematching</td>
<td>&lt;&lt;true false&gt;&gt;</td>
<td></td>
</tr>
<tr>
<td>multiplevaluematching</td>
<td>&lt;&lt;true false&gt;&gt;</td>
<td></td>
</tr>
<tr>
<td>Limit</td>
<td></td>
<td>[Maximum number of results the server returns.]</td>
</tr>
<tr>
<td>Offset</td>
<td></td>
<td>[Number of results the server skips before the first returned result.]</td>
</tr>
</tbody>
</table>

Change content of PS 3.18 Section 8.3.4

8.3.4 Search Query Parameters

Table 8.3.4-1 contains the syntax for the names and values of search parameters, along with a reference to the section where their meaning is defined. Search transactions shall support these parameters. The ABNF for the various search parameters is:

Table 8.3.4-1. Query Parameter Syntax

<table>
<thead>
<tr>
<th>Term</th>
<th>Value</th>
<th>Usage</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>search</td>
<td>= match / fuzzymatching / includefield / limit / offset / emptyvaluematching / multiplevaluematching</td>
<td>User Agent</td>
<td>Origin Server</td>
</tr>
<tr>
<td>match</td>
<td>; See attribute matching rules below</td>
<td>O</td>
<td>M</td>
</tr>
<tr>
<td>fuzzymatching</td>
<td>= &quot;fuzzymatching&quot; &quot;=&quot; true / false</td>
<td>O</td>
<td>M</td>
</tr>
<tr>
<td>includefield</td>
<td>= &quot;includefield&quot; &quot;=&quot; 1#attribute / &quot;all&quot;</td>
<td>O</td>
<td>M</td>
</tr>
<tr>
<td>Term</td>
<td>Value</td>
<td>Usage</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------</td>
<td>----------------------------------------------------------------------</td>
<td>-------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>limit</td>
<td>= &quot;limit&quot; &quot;=&quot; uint ; Maximum number of results</td>
<td>O</td>
<td>M</td>
</tr>
<tr>
<td>offset</td>
<td>= &quot;offset&quot; &quot;=&quot; uint ; Number of skipped results</td>
<td>O</td>
<td>M</td>
</tr>
<tr>
<td>emptyvaluematching</td>
<td>= &quot;emptyvaluematching&quot; &quot;=&quot; true / false</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>multiplevaluematching</td>
<td>= &quot;multiplevaluematching&quot; &quot;=&quot; true / false</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

The following sections describe these parameters in detail.

Modify PS 3.18 Section 8.3.4.3 as follows:

8.3.4.3 Attributes Included in the Response

A parameter specifies the Attributes that should be included in the response. The value is either a comma-separated list of attributes, or the single keyword "all", which means that all available attributes of the object should be included in the response.

includefield = *("includefield" "=" (I#attribute / "all") )

The request may contain one or more include parameters; however, if a parameter with the value of "all" is present, then other includefield parameters shall not be present. If an attribute is a value of an includefield parameter, it is equivalent to C-FIND Universal matching for that attribute. See Section C.2.2.2.3 in PS3.4.

If an include parameter represents a Private Data Element a corresponding Private Creator Element shall be specified as an additional match parameter (see Section 7.8.1 in PS3.5).

The includefield Query Parameter corresponds to DIMSE Return Optional Keys. See Sections C.6.1.1 and C.6.2.1 K.2.2.1.2 in PS3.4.

The includefield Query Parameter may also contain DIMSE Return Keys from Repository Query SOP Class. See Section C.6.4.1 in PS3.4.

Modify PS3.18 Section 8.3.4.4 and 8.3.4.4.1 as follows:

8.3.4.4 Response Pagination

The following two parameters can be used to paginate a search response that might contain more matches than can readily be handled.

offset = "offset" "=" uint

A single parameter specifies the number of matches the origin server shall skip before the first returned match. The "offset" parameter value is an unsigned integer (uint). If this Query Parameter is not present, its value defaults to 0.

limit = "limit" "=" uint

A single parameter specifies the maximum number of matches the origin server shall return in a single response. The "limit" parameter value is an unsigned integer. If this parameter is not present, its value is determined by origin server, as determined Section 8.3.4.4.1.

8.3.4.4.1 Paging Behavior

The search requests shall be idempotent, that is, two separate search requests with the same Target Resource, Query Parameters, and header fields shall return the same ordered list of matches, if the set of matches on the origin server has not changed.
Given the following definitions:

- **offset**
  the value of the "offset" query parameter.

- **limit**
  the value of the "limit" query parameter. For a Repository Query, this is the value of (0008,0429) "Maximum Number of Records".

- **maxResults**
  the maximum number of results the origin server allows in a single response (i.e. system limit).

- **matches**
  the number of matches resulting from the search. If (0008,041C) “Prior Record Key” is provided in the query, then the value will be the number of matches after the record identified by the attribute value.

- **results**
  the number of results returned in the response. It is equal to the minimum of:
  - The maximum of zero and the value of matches - offset
  - The value of maxResults
  - The value of limit

- **remaining**
  the number of matches that were not yet returned.

The results returned in the response are determined as follows:

- If (results <= 0) then there are no matches, and a 204 (No Content) response shall be returned with an empty payload.
- Otherwise, a 200 (OK) response shall be returned with a payload containing the results.
- If (remaining > 0) the response shall include a Warning header field (see [RFC7234] Section 5.5) containing the following:
  
  Warning: 299 <service>: There are <remaining> additional results that can be requested

The response may include a payload containing an appropriate Status Report.

If the set of matching results has changed due to changes in the origin server contents, then the ordered list of results may be different for subsequent transactions with identical requests, and the results of using the "offset" and "limit" parameters may be inconsistent.

---

**Add the following sections before PS3.18 Section 8.3.5:**

**Note to reviewers: these sections are modeled after 8.3.4.2, which is included for reference below.**

### 8.3.4.X Empty Value Matching

A single parameter specifies whether Empty Value Matching is to be performed.

This parameter is optional for the user agent.

This parameter is optional for the origin server.

If this parameter is not present its value is "false".

```plaintext
emptyvaluematching = "emptyvaluematching" "=" ("true" / "false")
```

If the value is "false", then the search shall be performed without Empty Value Matching.

If the value is "true" and the origin server supports Empty Value Matching, then the search shall be performed with Empty Value Matching Attributes as specified in Section C.2.2.2.7 in PS3.4 and shall be documented in the Conformance Statement and, if the service supports it, the Retrieve Capabilities response.

If the value is "true" and the origin server does not support Empty Value Matching, then:
The search shall be performed without Empty Value Matching.

The response shall include the following HTTP Warning header (see [RFC7234] Section 5.5):

```
Warning: 299 <service>: The emptyvaluematching parameter is not supported. Empty Value Matching has not been performed.
```

where <service> is the base URI for the origin server. This may be a combination of scheme, authority, and path.

The response may include a payload containing an appropriate Status Report.

### 8.3.4.4 Multiple Value Matching

A single parameter specifies whether Multiple Value Matching is to be performed.

This parameter is optional for the user agent.

This parameter is optional for the origin server.

If this parameter is not present its value is "false".

```
multiplevaluematching = "multiplevaluematching" "=" ("true" / "false")
```

If the value is "false", then the search shall be performed without Multiple Value Matching.

If the value is "true" and the origin server supports Multiple Value Matching, then the search shall be performed with Multiple Value Matching Attributes as specified in Section C.2.2.2.8 in PS3.4 and shall be documented in the Conformance Statement and, if the service supports it, the Retrieve Capabilities response.

If the value is "true" and the origin server does not support Multiple Value Matching, then:

- The search shall be performed without Multiple Value Matching.
- The response shall include the following HTTP Warning header (see [RFC7234] Section 5.5):

```
Warning: 299 <service>: The multiplevaluematching parameter is not supported. Multiple Value Matching has not been performed.
```

where <service> is the base URI for the origin server. This may be a combination of scheme, authority, and path.

- The response may include a payload containing an appropriate Status Report.

---

**Section 8.3.4.2 is included for reference only:**

### 8.3.4.2 Fuzzy Matching of Person Names

A single parameter specifies whether Fuzzy Matching of Person Names is to be performed.

This parameter is optional for the user agent.

This parameter is optional for the origin server.

If this parameter is not present its value is "false".

```
fuzzymatching = "fuzzymatching" "=" ("true" / "false")
```

If the value is "false", then the search shall be performed without Fuzzy Matching.

If the value is "true" and the origin server supports Fuzzy Matching, then the search shall be performed with Fuzzy Matching of Person Name Attributes as specified in Section C.2.2.2.1.1 in PS3.4 and shall be documented in the Conformance Statement and, if the service supports it, the Retrieve Capabilities response.

If the value is "true" and the origin server does not support Fuzzy Matching, then:
• The search shall be performed without Fuzzy Matching.

• The response shall include the following HTTP Warning header (see [RFC7234] Section 5.5):

```
Warning: 299 <service>: The fuzzymatching parameter is not supported. Only literal matching has been performed.
```

where <service> is the base URI for the origin server. This may be a combination of scheme, authority, and path.

• The response may include a payload containing an appropriate Status Report.

Add the following section before PS3.18 Section 10.6.1.3:

**10.6.1.2.X Optional Matching Attributes**

The origin server may support the matching Attributes specified in section C.6.4.2 in PS3.4 for each supported IE Level.

**Table 10.6.1-Y. Optional Matching Attributes**

<table>
<thead>
<tr>
<th>IE Level</th>
<th>Attribute Name</th>
<th>Tag</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study</td>
<td>Prior Record Key</td>
<td>(0008,041C)</td>
</tr>
<tr>
<td></td>
<td>Maximum Number of Records</td>
<td>(0008,0429)</td>
</tr>
<tr>
<td>Series</td>
<td>Prior Record Key</td>
<td>(0008,041C)</td>
</tr>
<tr>
<td></td>
<td>Maximum Number of Records</td>
<td>(0008,0429)</td>
</tr>
<tr>
<td>Instance</td>
<td>Prior Record Key</td>
<td>(0008,041C)</td>
</tr>
<tr>
<td></td>
<td>Maximum Number of Records</td>
<td>(0008,0429)</td>
</tr>
</tbody>
</table>

Update PS18 Section 10.6.3.3 as follows:

**10.6.3.3.1 Study Resource**

For each matching Study, the origin server response shall contain Attributes in accordance with Table 10.6.3-3. The "Type" column in the table below refers to the Query/Retrieve Attribute Types defined in Section C.2.2.1 "Attribute Types" in PS3.4. The unique key for a Study resource Search response is the Study Instance UID (0020,000D).

**Table 10.6.3-3. Study Resource Search Response Payload**

<table>
<thead>
<tr>
<th>Attribute Name</th>
<th>Tag</th>
<th>Type</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study Date</td>
<td>(0008,0020)</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>Study Time</td>
<td>(0008,0030)</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>Accession Number</td>
<td>(0008,0050)</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>Instance Availability</td>
<td>(0008,0056)</td>
<td>C</td>
<td>Shall be present if known</td>
</tr>
<tr>
<td>Modalities in Study</td>
<td>(0008,0061)</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>Referring Physician's Name</td>
<td>(0008,0090)</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>Timezone Offset From UTC</td>
<td>(0008,0201)</td>
<td>C</td>
<td>Shall be present if known</td>
</tr>
<tr>
<td>Retrieve URL</td>
<td>(0008,1190)</td>
<td>C</td>
<td>Shall be present if the Instance is retrievable by the Retrieve transaction</td>
</tr>
<tr>
<td>Patient's Name</td>
<td>(0010,0010)</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>Patient ID</td>
<td>(0010,0020)</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>Patient's Birth Date</td>
<td>(0010,0030)</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>Patient's Sex</td>
<td>(0010,0040)</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>Study Instance UID</td>
<td>(0020,000D)</td>
<td>U</td>
<td></td>
</tr>
<tr>
<td>Study ID</td>
<td>(0020,0010)</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>Number of Study Related Series</td>
<td>(0020,1206)</td>
<td>R</td>
<td></td>
</tr>
</tbody>
</table>
Table 10.6.3-4. Series Resources Search Response Payload

<table>
<thead>
<tr>
<th>Attribute Name</th>
<th>Tag</th>
<th>Type</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modality</td>
<td>(0008,0060)</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>Timezone Offset From UTC</td>
<td>(0008,0201)</td>
<td>C</td>
<td>Shall be present if known</td>
</tr>
<tr>
<td>Series Description</td>
<td>(0008,103E)</td>
<td>C</td>
<td>Shall be present if known</td>
</tr>
<tr>
<td>Retrieve URL</td>
<td>(0008,1190)</td>
<td>R</td>
<td>Shall be present if the Instance is retrievable by the Retrieve transaction</td>
</tr>
<tr>
<td>Series Instance UID</td>
<td>(0020,000E)</td>
<td>U</td>
<td></td>
</tr>
<tr>
<td>Series Number</td>
<td>(0020,0011)</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>Number of Series Related Instances</td>
<td>(0020,1209)</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>Performed Procedure Step Start Date</td>
<td>(0040,0244)</td>
<td>C</td>
<td>Shall be present if known</td>
</tr>
<tr>
<td>Performed Procedure Step Start Time</td>
<td>(0040,0245)</td>
<td>C</td>
<td>Shall be present if known</td>
</tr>
<tr>
<td>Request Attributes Sequence</td>
<td>(0040,0275)</td>
<td>C</td>
<td>Shall be present if known</td>
</tr>
<tr>
<td>&gt;Scheduled Procedure Step ID</td>
<td>(0040,0009)</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>&gt;Requested Procedure ID</td>
<td>(0040,1001)</td>
<td>R</td>
<td></td>
</tr>
</tbody>
</table>

Notes

- While some of the above Attributes are optional in Table C.6-3 “Series Level Attributes for the Patient Root Query/Retrieve Information Model” in PS3.4, they are consistent with those required in [IHE RAD TF Vol2] Table 4.14-1.
If either (0008,041C) “Prior Record Key” or (0008,041B) “Record Key” is present in the request and the Origin Server supports these attributes, then the responses are ordered as defined in PS3.4 C.6.4 “Repository Query SOP Class”.

In addition, the response shall contain:

- All other Series Level Attributes passed as match Query Parameters, or Series or Study Level Attributes passed as includefield parameters in the request that are supported by the origin server.
- If the "includefield" parameter has been specified in the request and its value is "all", include all Series Level Attributes specified as Optional Keys in PS3.4 Section C.6.1.1.4 that are supported by the Origin Server.
- If the Target Resource is All Series, then include all Study Level Attributes specified in Section 10.6.3.3.1.
- If a Private Data Element has been specified as an include parameter and it is supported by the origin server, the Private Data Element and its corresponding Private Creator Element.

Instance Level Attributes contained in includefield parameters shall not be returned.

### 10.6.3.3.3 Instance Resources

For each matching Instance, the origin server shall return all Attributes listed in Table 10.6.3-5, if present in the Instance. The Type column in the table below refers to the Query/Retrieve Attribute Types defined in Section C.2.2.1 “Attribute Types” in PS3.4. The unique key for an Instance resource search response is the SOP Instance UID (0008,0018).

<table>
<thead>
<tr>
<th>Attribute Name</th>
<th>Tag</th>
<th>Type</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOP Class UID</td>
<td>(0008,0016)</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>SOP Instance UID</td>
<td>(0008,0018)</td>
<td>U</td>
<td></td>
</tr>
<tr>
<td>Instance Availability</td>
<td>(0008,0056)</td>
<td>C</td>
<td>Shall be present if known</td>
</tr>
<tr>
<td>Timezone Offset From UTC</td>
<td>(0008,0201)</td>
<td>C</td>
<td>Shall be present if known</td>
</tr>
<tr>
<td>Retrieve URL</td>
<td>(0008,1190)</td>
<td>R</td>
<td>Shall be present if the Instance is retrievable by the Retrieve transaction</td>
</tr>
<tr>
<td>Instance Number</td>
<td>(0020,0013)</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>Rows</td>
<td>(0028,0010)</td>
<td>C</td>
<td>Shall be present if known</td>
</tr>
<tr>
<td>Columns</td>
<td>(0028,0011)</td>
<td>C</td>
<td>Shall be present if known</td>
</tr>
<tr>
<td>Bits Allocated</td>
<td>(0028,0100)</td>
<td>C</td>
<td>Shall be present if known</td>
</tr>
<tr>
<td>Number of Frames</td>
<td>(0028,0008)</td>
<td>C</td>
<td>Shall be present if known</td>
</tr>
</tbody>
</table>

**Notes**

- While some of the above Attributes in are optional in Table C.6-4. Composite Object Instance Level Keys for the Patient Root Query/Retrieve Information Model in PS3.4, they are consistent with the those required in [IHE RAD TF Vol2] Table 4.14-1.
- If either (0008,041C) “Prior Record Key” or (0008,041B) “Record Key” is present in the request and the Origin Server supports these attributes, then the responses are ordered as defined in PS3.4 C.6.4 “Repository Query SOP Class”.

In addition, the response shall contain:

- All other Instance Level Attributes passed as match parameters, or Study, Series, or Instance Level Attributes passed as includefield parameters that are supported by the origin server.
- If the "includefield" parameter has been specified in the request and its value is "all", Attribute include all Instance Level Attributes specified as Optional Keys in PS3.4 Section C.6.1.1.5 that are supported by the Origin Server.
- If the Target Resource is All Instances, then include all Study level Attributes specified in Section 10.6.3.3.1.
- If the Target Resource is All Instances or Study's Instances, then include all Series level Attributes specified in Section 10.6.3.3.2.
• If a Private Data Element has been specified as an include parameter and it is supported by the origin server, the Private Data Element and its corresponding Private Creator Element.

The response may optionally include:

• the Available Transfer Syntax UID (0008,3002) to describe the Transfer Syntaxes that the origin server can assure will be supported for retrieval of the SOP Instance. See Section C.6.1.1.5.2 in PS3.4.

Modify PS3.18 Section 10.6.5 as follows:

10.6.5 Conformance Statement

An implementation shall declare in its Conformance Statement whether it plays the role of origin server or user agent, or both.

An implementation playing the role of origin server shall declare the maximum number of matches supported for a single query.

An implementation playing the role of origin server shall declare its support for the following in its Conformance Statement:

• Whether it is a native or proxy implementation
• Fuzzy Matching
• **Empty Value Matching**
• **Multiple Value Matching**
• Optional resources supported
• Optional Attributes supported

Add the following example to PS3.18 Section B Examples (Informative):

B.xx Method Definition of a Capabilities Description for an Origin Server Supporting Studies Search

```xml
<method id="searchForStudies" name="GET">
  <request>
    <param default="multipart/related; type=application/dicom+xml" name="Accept" style="header">
      <option value="multipart/related; type=application/dicom+xml"/>
      <option value="application/json"/>
    </param>
    <param name="limit" style="query" type="xs:int">
      <doc>maximum number of records</doc>
    </param>
    <param name="offset" style="query" type="xs:int">
      <doc>skipped results</doc>
    </param>
    <param name="StudyDate" style="query"/>
    <param name="00080020" style="query"/>
    <param name="StudyTime" style="query"/>
    <param name="00080030" style="query"/>
    <param name="AccessionNumber" style="query"/>
    <param name="00080050" style="query"/>
    <param name="ModalitiesInStudy" style="query"/>
    <param name="00080061" style="query"/>
    <param name="ReferringPhysicianName" style="query"/>
    <param name="00080090" style="query"/>
    <param name="PatientName" style="query"/>
    <param name="00100010" style="query"/>
    <param name="PatientID" style="query"/>
    <param name="00100020" style="query"/>
    <param name="StudyInstanceUID" repeating="true" style="query"/>
    <param name="StudyInstanceUID" repeating="true" style="query"/>
    <param name="0020000D" style="query"/>
    <param name="00200010" style="query"/>
  </request>
</method>
```
Note

This example depicts support for the Fuzzy Matching and Repository Query options