Performing a Text Search

A text search allows you to query many of the database fields, DICOM image tag data and their values, and annotation files that are not available in the Simple search. You can also use the text search to query for content of DICOM Structured Reports (DICOM SR) and strains from mouse and rat collections. Refer to the DICOM Data Dictionary for tags or field names you can use in a text search and Structure of DICOM SR Documents for a description of the fields in a DICOM SR.

> ⓘ **DICOM Examples**
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> - Enter *pancreas* in the Text Search box and find all subjects associated with the value *pancreas*.
> - Query using the *attribute:searchTerm* technique: for example, *Body Part Examined:pancreas*. In this example, the colon interprets the DICOM field from the value.
> - Query by DICOM codes, such as *0018,0015:pancreas*. *0018,0015* is the DICOM code for *Body Part Examined*.
> - Query by DICOM SR attributes, such as *0008,0104* for Code Meaning. Entering *0008,0104:tonsil,* returns all subjects with a Code Meaning that includes the word "tonsil," and *0008,0104:tonsil adenoid* returns all subjects with a Code Meaning that includes both "tonsil" and "adenoid."
> - Use a wildcard search such as *Body Part Examined:panc** to find all subjects associated with values beginning with *panc*, including *pancreas*, *pancreatic duct,* and *pancreatic duct and bile duct systems*.
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> **Examples for Strains**
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> - Query for the strain name or parts of the strain name or use a value name pair to construct the query. You can query by the Mouse Genome Informatics (MGI) number or query for MGI in the coding scheme designator field. Examples follow.
> - *Strain Description (0010,0212) = "NOD.Cg-Prkdc<scid> Il2rg<tm1Wjl>/SzJ"*
> - *Strain Nomenclature (0010,0213) = "MGI_2013"*
> - *Strain Code Sequence (0010,0219):*
>   - *Code Value (0008,0100) = "3577020"*
>   - *Coding Scheme Designator (0008,0102) = "MGI"*
>   - *Code Meaning I0008,0103) = "NOD.Cg-Prkdc<scid> Il2rg<tm1Wjl>/SzJ"*

The text search does have some restrictions. These are:

- The text string you use must have more than one character. The search won't return any values if the text string has only one character.
- Do not use a forward slash (*/*) in your text string.
- Do not use complex searches with AND or OR statements (text search supports Lucene syntax but only a single field can be searched at a time).

To perform a text search

1. On the TCIA home page, click **Text Search** or **Search Images** > **Text Search**.
   The Text Search page appears.

   blocked URL
2. In the Text Search box, enter a text string of two characters or more.
3. Click blocked URL.
   The search results appear.
   blocked URL

> ⓘ **Navigation Tips**
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> - Click the down arrow next to the Subject ID column header to sort the results alphabetically (A to Z or Z to A) by Subject ID.
> - Click the arrows at the bottom of the table to display the first, previous, next, or last page of results.
> - Click the page number links to move to a specific page of results.
> - In the Show (10) entries box in the bottom left, edit the default 10 to the number of entries you want to see on a search results page.

The following table describes each item in the search results table.

Search Result	Description
blocked URL	Click the caret to view the subject details. Click the cart symbol to add image series to your cart.
Collection ID	Collection identifier
Subject ID	Click the Subject ID to view all study images for this subject in a DICOM web viewer, a single series' thumbnails, or the DICOM header for the first image in the series. See Search Results (Studies for Subject).
Hit	The field in the study where the text string you entered as your search criteria appears.