Hematopoietic and Lymphoid Neoplasm Project
Using the Hematopoietic DB

Carol Hahn Johnson, BS, CTR
NCI SEER
November, 2009
Acknowledgments

- American College of Surgeons (ACOS) Commission on Cancer (COC)
- Canadian Cancer Registries (CCR)
- National Cancer Registrars Association (NCRA)
- National Program of Cancer Registries (NPCR) of the Centers for Disease Control (CDC)
- North American Association of Central Cancer Registries (NAACCR)
With Special Thanks to

- Graca Dores, MD
- Charles Platz, MD
- Amy Blum, RHIT, CTR
- The Hematopoietic Working Group
Objectives

Understand when the Hematopoietic DB should be used

Learn to use the Hematopoietic DB to its full potential

Understand all of the functions of the Hematopoietic DB
When to Use DB

Casefinding - search function
Using definitive diagnostic methods
Determining multiple primaries
Abstracting a case using the information available in the DB
Hematopoietic Database

Enter search term or code (xxxx/xx):

Search  Clear

Display Codes  Multiple Primaries Calculator  Hemato Manual
**ICD-0-3 Code List**

**Display List By**
- ICD-0-3 Numeric Order
- Alphabetical by Preferred Name

**ALK-positive large B-cell lymphoma**
- 9737/3
  - ALK-positive LBCL
  - ALK-positive plasmablastic B-cell lymphoma
  - Large B-cell lymphoma expressing the ALK kinase and lacking the t(2;5) translocation

**Acute myelomonocytic leukemia**
- 9867/3
  - AMML
  - AMMCL
  - Acute myeloid leukemia, M4
  - FAB M4

**Acute Myeloid Leukemia with t(6;9)(p23;q34); DEK-NUP214**
- 9865/3

**Acute basophilic leukemia**
- 9870/3

**Acute biphenotypic leukemia**
- 9805/3
  - Acute blastic leukemia
  - Acute mixed lineage leukemia
  - Biclonal leukemia
  - Bilineal acute leukemia, Biphrenotypic acute leukemia
  - Bilineal acute leukemia
  - Lineage infidelity
  - Lineage switches
Slide 11 - Slide 11

[Image of a software window showing an export dialog for ICD-O-3 codes, with options for export file name, field delimiter, alternate name delimiter, and output column headers.]
Export Result

Export file successfully created.

OK
ALK-positive large B-cell lymphoma 9737/3
ALK-positive LEBL
ALK-positive plasmablastic B-cell lymphoma
Large B-cell lymphoma expressing the ALK kinase and lacking the t(2;5) translocation

Acute myelomonocytic leukemia 9867/3
AMML
AMMoL
Acute myeloid leukemia, M4
FAB M4

Acute Myeloid Leukemia with t(6;9)(p23;q34); DEK-NUP214 9865/3

Acute basophilic leukemia 9870/3

Acute biphenotypic leukemia 9805/3
Acute biphenotypic leukemia
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Biclonal leukemia
Bilineal acute leukemia, Biphenotypic acute leukemia
Bilineal acute leukemia
Lineage infidelity
Lineage switches
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Bilineal acute leukemia
Lineage infidelity
Lineage switches
ICD-O-3 Code List

Display List By:
- ICD-O-3 Numeric Order
- Alphabetical

ICD-O-3 Codes List Export

Export File Name (*.txt):
[C:\ICD-O-3 Codes List Export.txt]

Field Delimiter:
- Tab
- Comma
- Semi-Colon

Alternate Name Delimiter:
- Tab
- Comma
- Semi-Colon

Output Column Headers:
- On

Ok | Cancel
Presentation: Navigating Database

Slide 19 - Slide 19

- ALK-positive large B-cell lymphoma
  - ALK-positive LBCL
  - ALK-positive plasmablastic B Large B-cell lymphoma expressing ALCAM lacking the t(2;5) translocation
- Acute myelomonocytic leukemia
  - AMML
  - AML-M5
  - Acute myeloid leukemia, M4
  - FAB M4
- Acute Myeloid Leukemia with t(6;9)(p23;q34), DEK-NUP214
- Acute lymphoblastic leukemia
- Acute biphenotypic leukemia
  - Acute blineal leukemia
  - Acute mixed lineage leukemia
  - Blonal leukemia
  - Bilaneal acute leukemia, Biphenotypic acute leukemia
  - Bilneal acute leukemia
  - Lineage infidelity
  - Lineage switches

Export Result

Export failed.

OK
ALK-positive large B-cell lymphoma 9737/3
ALK-positive LEBL
ALK-positive plasmablastic B-cell lymphoma
Large B-cell lymphoma expressing the ALK kinase and lacking the t(2;5) translocation

Acute myelomonocytic leukemia 9867/3
AMML
AMMcl
Acute myeloid leukemia, M4
FAB M4

Acute Myeloid Leukemia with t(6;9)(p23;q34); DEK-NUP214 9865/3

Acute basophilic leukemia 9870/3

Acute biphenotypic leukemia 9805/3
Acute bilineal leukemia
Acute mixed lineage leukemia
Biclonal leukemia
Bilineal acute leukemia, Biphenotypic acute leukemia
Bilineal acute leukemia
Lineage infidelity
Lineage switches
ALK-positive large B-cell lymphoma 9737/3
ALK-positive LEBL
ALK-positive plasmablastic B-cell lymphoma
Large B-cell lymphoma expressing the ALK kinase and lacking the t(2;5) translocation

Acute myelomonocytic leukemia 9867/3
AMML
AMMoL
Acute myeloid leukemia, M4
FAB M4

Acute Myeloid Leukemia with t(6;9)(p23;q34); DEK-NUP214 9865/3

Acute basophilic leukemia 9870/3

Acute biphenotypic leukemia 9805/3
Acute blimetal leukemia
Acute mixed lineage leukemia
Bilional leukemia
Bilineal acute leukemia, Biphenotypic acute leukemia
Bilineal acute leukemia
Lineage infidelity
Lineage switches
ICD 9 Code List

Display List By:
- ICD-9 Codes Only
- ICD-0-3 Codes (Numeric Order)
- ICD-9 Codes with Related ICD-0-3 Codes

9590/3 Malignant lymphoma, NOS
  202.8 Other lymphoma

9591/3 Non-Hodgkin lymphoma, NOS
  202.8 Other lymphoma

9595/3 B-cell lymphoma, unclassifiable, with features intermediate between diffuse large B-cell lymphoma and classical Hodgkin lymphoma
  201.6 Mixed cellularity
  202.8 Other lymphoma

9697/3 Primary cutaneous follicle center lymphoma
  202.8 Other lymphoma

9660/3 Classical Hodgkin lymphoma
  2019 Hodgkin’s disease, unspecified

9651/3 Lymphocyte-rich classical Hodgkin lymphoma
  2014 Lymphocytic-histiocytic predominance

9652/3 Mixed cellularity classical Hodgkin lymphoma
  2016 Mixed cellularity

9653/3 Lymphocyte-depleted classical Hodgkin lymphoma
Reticulosarcoma
9679/3 Primary mediastinal (thymic) large B-cell lymphoma
9755/3 Histiocytic sarcoma

Lymphosarcoma
9726/3 Primary cutaneous gamma delta T-cell lymphoma
9728/3 Precursor B lymphoblastic lymphoma
9729/3 Precursor T-cell lymphoblastic lymphoma, NOS

Burkitt's tumor or lymphoma
9687/3 Burkitt lymphoma

Marginal zone lymphoma
9669/3 Splenic marginal zone lymphoma
9669/3 Extranodal marginal zone lymphoma of mucosal-associated lymphoid tissue (MALT lymphoma)

Mantle cell lymphoma
9673/3 Mantle cell lymphoma

Anaplastic large cell lymphoma
9714/3 Anaplastic large cell lymphoma, ALK-positive

Large cell lymphoma
Hematopoietic Database

Enter search term or code (xxxx/x):

Search  Clear

Display Codes  Multiple Primaries Calculator  Hemato Manual
ICD 10 Code List

Display List By:
- ICD-10 Codes Only
- ICD-0-3 Codes (Numeric Order)
- ICD-10 Codes with Related ICD-0-3 Codes

9590/3 Malignant lymphoma, NOS
  C35.9 Non-Hodgkin's lymphoma, unspecified type
9591/3 Non-Hodgkin lymphoma, NOS
  C35.9 Non-Hodgkin's lymphoma, unspecified type
9595/3 B-cell lymphoma, unclassifiable, with features intermediate between diffuse large B-cell lymphoma and classical Hodgkin lymphoma
  C31.2 Hodgkin's disease, mixed cellularity
  C35.9 Non-Hodgkin's lymphoma, unspecified type
9597/3 Primary cutaneous follicle centre lymphoma
  C35.7 Other specified types of non-Hodgkin's lymphoma
9650/3 Classical Hodgkin lymphoma
  C31.9 Hodgkin's disease, unspecified
9651/3 Lymphocyte-rich classical Hodgkin lymphoma
  C31.0 Hodgkin's disease, lymphocytic predominance
9652/3 Mixed cellularity classical Hodgkin lymphoma
  C31.2 Hodgkin's disease, mixed cellularity
9653/3 Lymphocyte-depleted classical Hodgkin lymphoma
Your search for "9741/3" found 1 results. Select your disease of interest.

<table>
<thead>
<tr>
<th>Matched Term</th>
<th>ICD-O-3 Code</th>
<th>Reportable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Systemic mastocytosis</td>
<td>9741/3</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**ICD-O-3 Code: 9741/3**
**Preferred Term: Systemic mastocytosis**

Definition:
Accumulation of increased numbers of mast cells in the tissues other than skin, such as the liver, spleen, bone marrow, stomach, and small intestines. Hematopoietic disorder, proliferation of mast cells with accumulation in one or more extracutaneous organ systems, with or without skin infiltration. Presentation meets criteria for systemic mastocytosis.

Alternate Names:
- Aggressive systemic mastocytosis
- Malignant mastocytosis
- SM
- SM-AHNMD
- Systemic mastocytosis with associated clonal hematological non-mast cell lineage disorder

Select the fields you wish to display:
- All
- Disease genetics data
- Treatments
- Definitive diagnostic methods
- Disease immunohistochemistry
- Transformations

Back | Display | Print Screen
Your search for "sm" found 72 results. Select your disease of interest:

<table>
<thead>
<tr>
<th>Matched Term</th>
<th>ICD-O-3 Code</th>
<th>Reportable</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM</td>
<td>9741/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Smoldering myeloma</td>
<td>9732/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Smoldering plasma cell myeloma</td>
<td>9732/3</td>
<td>Yes</td>
</tr>
<tr>
<td>SM-AHNMD</td>
<td>9741/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Small lymphocytic lymphoma</td>
<td>9670/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Smoldering leukemia</td>
<td>9989/3</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**ICD-O-3 Code: 9741/3**

**Preferred Term:** Systemic mastocytosis

**Definition:**
Accumulation of increased numbers of mast cells in the tissues other than skin, such as the liver, spleen, bone marrow, stomach, and small intestines. Hematopoietic disorder, proliferation of mast cells with accumulation in one or more extracutaneous organ systems, with or without skin infiltration. Presentation meets criteria for systemic mastocytosis.

**Alternate Names:**
- Aggressive systemic mastocytosis
- Malignant mastocytosis
- SM
- SM-AHNMD
- Systemic mastocytosis with associated clone, hematopoietic nonmast cell lineage disease

Select the fields you wish to display:
- All
- Disease genetics data
- Treatments
- Definitive diagnostic methods
- Disease immunophenotyping
- Transformations
Hematopoietic Database

Enter search term or code (xxxx/x):

Search  Clear

Display Codes...  Multiple Primaries Calculator...  Hemato Manual
Your search for "mastocytosis" found 9 results. Select your disease of interest

<table>
<thead>
<tr>
<th>Matched Term</th>
<th>ICD-O-3 Code</th>
<th>Reportable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mastocytosis</td>
<td>N/A</td>
<td>No</td>
</tr>
<tr>
<td>Systemic mastocytosis</td>
<td>9741/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Aggressive systemic mastocytosis</td>
<td>9741/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Malignant mastocytosis</td>
<td>9741/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Systemic mastocytosis with associated clonal, hematological non-m</td>
<td>9741/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Cutaneous mastocytosis</td>
<td>N/A</td>
<td>No</td>
</tr>
</tbody>
</table>

Back  Display  Print Screen
Your search for "mastocytosis" found 9 results.
Select your disease of interest

<table>
<thead>
<tr>
<th>Matched Term</th>
<th>ICD-O-3 Code</th>
<th>Reportable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mastocytosis</td>
<td>N/A</td>
<td>No</td>
</tr>
<tr>
<td>Systemic mastocytosis</td>
<td>9741/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Aggressive systemic mastocytosis</td>
<td>9741/3</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Malignant mastocytosis</strong></td>
<td>9741/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Systemic mastocytosis with associated clonal, hematological non-m</td>
<td>9741/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Cutaneous mastocytosis</td>
<td>N/A</td>
<td>No</td>
</tr>
</tbody>
</table>

**ICD-O-3 Code:** 9741/3  
**Preferred Term:** Systemic mastocytosis

**Definition:**
Accumulation of increased numbers of mast cells in the tissues other than skin, such as the liver, spleen, bone marrow, stomach, and small intestines. Hematopoietic disorder proliferation of mast cells with accumulation in one or more extracutaneous organ systems, with or without skin infiltration. Presentation meets criteria for systemic mastocytosis.

**Alternate Names:**
- Aggressive systemic mastocytosis
- Malignant mastocytosis
- SM
- SM-AHNMD
- Systemic mastocytosis with associated clonal, hematological non-mast cell lineage disease

Select the fields you wish to display:
- All
- Disease genetics data
- Treatment
- Definitive diagnostic methods
- Disease Immunophenotyping
- Transformations

[Back] [Display] [Print Screen]
Hematopoietic Database

Enter search term or code (xxxx/x):  

[Search]  [Clear]

[Display Codes]  [Multiple Primaries Calculator]  [Hemato Manual]
Slide 44 - Slide 44


Enter search term or code (xxxx/x):

*plasma*

Search  Clear

Display Codes...  Multiple Primaries Calculator...  Hemato Manual
Your search for "plasma cell" found 11 results. Select your disease of interest.

**Matched Term** | **ICD-O-3 Code** | **Reportable**
---|---|---
Plasma cell leukemia | 9733/3 | Yes
Plasma cell dyscrasia | 9733/3 | Yes
Plasma cell myeloma | 9732/3 | Yes
Plasma cell tumor | 9731/3 | Yes
Secondary plasma cell leukemia | 9732/3 | Yes
Smoldering plasma cell myeloma | 9732/3 | Yes

**ICD-O-3 Code:** 9733/3  **Preferred Term:** Plasma cell leukemia

**Definition:**
Circulating peripheral blood plasma cells exceeding $2 \times 10^9$ per liter or 20% of peripheral blood white cells. May occur at time of diagnosis (primary PCL) or evolve as a terminal complication during the course of plasma cell myeloma (secondary PCL).

**Alternate Names**
PCL
Plasma cell dyscrasia
Plasmacytic leukemia
Primary PCL

Select the fields you wish to display:
- [ ] All
- [ ] Disease genetics data
- [ ] Treatments
- [ ] Definitive diagnostic methods
- [ ] Disease immunohistochemistry
- [ ] Transformations

**[Back]**  **[Display]**  **[Print Screen]**
Your search for "malignant lymphoma" found 122 results. 
Select your disease of interest

<table>
<thead>
<tr>
<th>Matched Term</th>
<th>ICD-O-3 Code</th>
<th>Reportable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Malignant lymphoma, small B lymphocytic, NOS</td>
<td>9670/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Non-Hodgkin lymphoma, NOS</td>
<td>9591/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Diffuse large B-cell lymphoma (DLBCL)</td>
<td>9680/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Malignant lymphoma, diffuse, NOS</td>
<td>9591/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Malignant lymphoma, non-cleaved cell, NOS</td>
<td>9591/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Malignant lymphoma, undifferentiated cell type, NOS</td>
<td>9591/3</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Definition**

Neoplasm of monomorphic small round B lymphocytes admixed with prolymphocytes and paraimmunoblasts, in peripheral blood, marrow, nodes, usually expressing CD5, CD23. Small lymphocytic lymphoma and chronic lymphocytic leukemia considered ends of continuous spectrum in which lymphadenopathy or peripheral blood

**Alternate Names**

- B-SLL
- Malignant lymphoma, lymphocytic, NOS
- Malignant lymphoma, lymphocytic, diffuse, NOS
- Malignant lymphoma, lymphocytic, well differentiated, diffuse
- Malignant lymphoma, small cell, diffuse

Select the fields you wish to display:
- ☑ All
- ☑ Disease genetics data
- ☑ Disease immunophenotyping
- ☑ Definitive diagnostic methods
Your search for "malignant lymphoma" found 122 results. Select your disease of interest.

<table>
<thead>
<tr>
<th>Matched Term</th>
<th>ICD-O-3 Code</th>
<th>Reportable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sp11 stem cell leukemia/lymphoma syndrome</td>
<td>9670/3</td>
<td>Yes</td>
</tr>
<tr>
<td>ALK-positive large B-cell lymphoma</td>
<td>9737/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Acute lymphoblastic leukemia/lymphoma, NOS</td>
<td>9835/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Adult T-cell leukemia/lymphoma</td>
<td>9837/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Adult T-cell leukemia/lymphoma (HTLV-1 positive)</td>
<td>9827/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Aggressive NK-cell leukemia/lymphoma</td>
<td>9948/3</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**ICD-O-3 Code: 9670/3**

**Preferred Term:** Malignant lymphoma, small B lymphocytic, NOS

**Definition:**
Neoplasm of monomorphic small round B lymphocytes admixed with prolymphocytes and paraimmunoblasts, in peripheral blood, marrow, nodes, usually expressing CD5, CD23. Small lymphocytic lymphoma and chronic lymphocytic leukemia considered ends of continuous spectrum in which lymphadenopathy or peripheral blood.

**Alternate Names**
- B-SLL
- Malignant lymphoma, lymphocytic, NOS
- Malignant lymphoma, lymphocytic, diffuse, NOS
- Malignant lymphoma, lymphocytic, well differentiated, diffuse
- Malignant lymphoma, small cell, diffuse

Select the fields you wish to display:
- All
- Disease genetics data
- Treatments
- Definitive diagnostic methods
- Disease immunohistochemistry
- Transformations

Back | Display | Print Screen
Enter search term or code (xxxx/x):
### ICD-O-3 Code: 9591/3

**Preferred Term:** Non-Hodgkin lymphoma, NOS

**Definition:**
Non-Hodgkin lymphoma not further classified by cell type nor defined for lineage (B-cell, T-cell, etc.) This is not a commonly used pathology term.

See abstractor notes for definitions of Splenic B-cell lymphoma/leukemia.

**Alternate Names**
- B cell lymphoma NOS
- HCL-
- Hairy cell leukemia-variant
- Lymphocytic lymphoma simulating hairy cell leukemia
- Lymphoma, NOS

Select the fields you wish to display:
- All
- Disease genetics data
- Treatments
- Definitive diagnostic methods
- Disease immunohistochemistry
- Transformations

![Search Results](image-url)

Enter search term or code (xxxx/x): 

[Search] [Clear]

[Display Codes] [Multiple Primaries Calculator] [Hemat Manual]
Your search for "CML" found 6 results. Select your disease of interest.

<table>
<thead>
<tr>
<th>Matched Term</th>
<th>ICD-O-3 Code</th>
<th>Reportable</th>
</tr>
</thead>
<tbody>
<tr>
<td>CML</td>
<td>9875/3</td>
<td>Yes</td>
</tr>
<tr>
<td>CML - Accelerated phase</td>
<td>9863/3</td>
<td>Yes</td>
</tr>
<tr>
<td>CML - Chronic Phase</td>
<td>9875/3</td>
<td>Yes</td>
</tr>
<tr>
<td>CML - Blast Phase</td>
<td>9875/3</td>
<td>Yes</td>
</tr>
<tr>
<td>eCML</td>
<td>9876/3</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Definition:**
Myeloproliferative neoplasm that is consistently associated with the BCR-ABL1 fusion gene located in the Philadelphia chromosome; originates in an abnormal bone marrow stem cell.
CML has three phases: chronic, accelerated, and the blastic phase or blast crisis.

**Preferred Term:** Chronic myelogenous leukemia, BCR/ABL1 positive

**Alternate Names**
- CML
- CML - Accelerated phase
- CML - Blast Phase
- CML - Chronic Phase
- Chronic myelogenous leukemia

Select the fields you wish to display:

- All
- Disease genetics data
- Treatments
- Definitive diagnostic methods
- Disease immunohistotyping
- Transformations
Your search for "CML" found 6 results.
Select your disease of interest

<table>
<thead>
<tr>
<th>Matched Term</th>
<th>ICD-O-3 Code</th>
<th>Reportable</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Yes</td>
</tr>
<tr>
<td>CML</td>
<td>9863/3</td>
<td>Yes</td>
</tr>
<tr>
<td>CML-Accelerated phase</td>
<td>9875/3</td>
<td>Yes</td>
</tr>
<tr>
<td>CML-Chronic Phase</td>
<td>9875/3</td>
<td>Yes</td>
</tr>
<tr>
<td>CML-Blast Phase</td>
<td>9875/3</td>
<td>Yes</td>
</tr>
<tr>
<td>eCML</td>
<td>9876/3</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**ICD-O-3 Code:** 9863/3
**Preferred Term:** Chronic myeloid leukemia, NOS

**Definition:**
process has Ph+, BCR/ABL fusion and/or t(9;22)(q34;q11) demonstrated, as defined by ICD-O-3 for 9875 as well. Presumably myelogenous leukemia without genetic studies done would be coded to 9863.

**Alternate Names**
- CML
- Chronic granulocytic leukemia, NOS
- Chronic myelocytic leukemia, NOS

Select the fields you wish to display:
- All
- Disease genetics data
- Treatment
- Definitive diagnostic methods
- Disease immunophenotyping
- Transformations
Sezary syndrome is a generalized mature T-cell lymphoma characterized by the presence of erythroderma, lymphadenopathy, and neoplastic T-lymphocytes in the blood. The neoplastic T-cells have cerebriform nuclei, and the disease is by tradition regarded as a variant of mycosis fungoides. However, the behavior is usually much more aggressive.

**Alternate Names**
- SS
- Sezary disease

Select the fields you wish to display:
- [ ] All
- [X] Disease genetics data
- [X] Treatments
- [X] Definitive diagnostic methods
- [X] Disease immunohistochemistry
- [X] Transformations

**ICD-O-3 Code:** 9701/3  
**Preferred Term:** Sezary syndrome
### Search Results

Your search for "Hodgkin's lymphoma" found 67 results. Select your disease of interest.

<table>
<thead>
<tr>
<th>Matched Term</th>
<th>ICD-O-3 Code</th>
<th>Reportable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diffuse large B-cell lymphoma (DLBCL)</td>
<td>9680/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Peripheral T-cell lymphoma, NOS</td>
<td>9702/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Non-Hodgkin lymphoma, NOS</td>
<td>9591/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Extramedullary marginal zone lymphoma of mucosal-associated lymphoid tissue</td>
<td>9699/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Follicular lymphoma</td>
<td>9690/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Follicular lymphoma, grade 3</td>
<td>9598/3</td>
<td>Yes</td>
</tr>
</tbody>
</table>

#### ICD-O-3 Code: 9680/3  
**Preferred Term:** Diffuse large B-cell lymphoma (DLBCL)

**Definition:**

Lymphoma with diffuse proliferation of large neoplastic B lymphoid cells with nuclear size exceeding macrophage nuclei, more than twice size of normal lymphocytes. Normal architecture of node or extranodal tissue replaced in diffuse pattern.

Morphologic variants: centroblastic, immunoblastic, plasmablastic, T-cell/histioyte-

**Alternate Names**

- Age-related EBV+ lymphoproliferative disorder
- Anaplastic large B-cell lymphoma
- B-cell lymphoma, undifferentiated, with features intermediate between diffuse large B-cell lymphoma and DLBCL
- DLBCL associated with chronic inflammation

Select the fields you wish to display:

- All
- Disease genetics data
- Treatments
- Definitive diagnostic methods
- Disease immunohistotyping
- Transformations
Hematopoietic Database

Enter search term or code (xxxx/x):

Search  Clear

Display Codes...  Multiple Primaries Calculator...  Hemato Manual
Your search for "Myeloid neoplasms with PDGFRB rearrangement" found 57 results. Select your disease of interest.

**Matched Term** | **ICD-O-3 Code** | **Reportable**
--- | --- | ---
Myeloid neoplasms with PDGFRB rearrangement | 9966/3 | Yes
Myeloid and lymphoid neoplasms with PDGFR rearrangement | 9967/3 | Yes
Myeloid and lymphoid neoplasms with PDGFR rearrangement | 9965/3 | Yes
Acute myeloid leukemia with myelodysplasia-related changes | 9895/3 | Yes
Acute myeloid leukemia with inv(16)(p13.1q22) or t(16;16)(p13.1q22) | 9871/3 | Yes
Acute myeloid leukemia with t(9;11)(p22;q23);MLLT3-MLL | 9897/3 | Yes

**ICD-O-3 Code:** 9966/3  
**Preferred Term:** Myeloid neoplasms with PDGFRB rearrangement

**Definition:**
One of three myeloproliferative and lymphoid neoplasms associated with rearrangement of PDGFR, PDGFRB and FGFR1. All result from formation of a fusion gene encoding an aberrant tyrosine kinase. This disease occurs in association with rearrangement of PDGFRB at 5q31~33. Usually there is (5;12)(q31~33;p12) with...

**Alternate Names:**
Chronic myelomonocytic leukemia with eosinophilia associated with t(5;12)

Select the fields you wish to display:
- [ ] All
- [ ] Disease genetics data
- [ ] Treatment
- [ ] Annotation
- [ ] Definitive diagnostic methods
- [ ] Disease cytogenetics
- [ ] Transformations

**Buttons:**
Back  Display  Print Screen
Your search for "Myeloid neoplasms with PDGFRB rearrangement" found 57 results.
Select your disease of interest

ICD-O-3 Code 9966/3

Definition
One of three myeloproliferative and lymphoid neoplasms associated with rearrangement of PDGFRB, PDGFR3 and FGFR1. All result from formation of a fusion gene encoding an aberrant tyrosine kinase. This disease occurs in association with rearrangement of PDGFRB at 5q31~33. Usually there is (5;12)(q31~33;p12) with

Alternate Names
Chronic myelomonocytic leukemia with eosinophilia associated with t(5;12)

Select the fields you wish to display:

- [ ] All
- [ ] Disease genetics data
- [ ] Treatments
- [ ] Definitive diagnostic methods
- [ ] Disease immunophenotyping
- [ ] Transformations

Back Display Print Screen
<table>
<thead>
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<th>ICD-O-3 Code</th>
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<tbody>
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<tr>
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**ICD-O-3 Code:** 9966/3  
**Preferred Term:** Myeloid neoplasms with PDGFRB rearrangement

**Definition:** One of three myeloproliferative and lymphoid neoplasms associated with rearrangement of PDGFRA, PDGFRB and FGFR1. All result from formation of a fusion gene encoding an aberrant tyrosine kinase. This disease occurs in association with rearrangement of PDGFRB at 5q31~33. Usually there is (5;12)(q31~33;p12) with

**Alternate Names:** Chronic myelomonocytic leukemia with eosinophilia associated with t(5;12)
### Myeloid neoplasms with PDGFRB rearrangement

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<tbody>
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<td>Myeloid neoplasms with PDGFRB rearrangement</td>
</tr>
</tbody>
</table>

**Alternate Names**

Chronic myelomonocytic leukemia with eosinophilia associated with t(5;12)

**Definitions**

One of three myeloproliferative and lymphoid neoplasms associated with rearrangement of PDGFRα, PDGFRβ and FGFR1. All result from formation of a fusion gene encoding an aberrant tyrosine kinase. This disease occurs in adults.

**Primary Site**

C421

**Definitive Diagnostic Methods**

- Cytchemistry
- Bone marrow biopsy
- Genetic testing
- FISH
- Immunophenotyping
Myeloid neoplasms with PDGFRB rearrangement

ICD-O-3 Code: 9966/3
Preferred Term: Myeloid neoplasms with PDGFRB rearrangement
Alternate Names: Chronic myelomonocytic leukemia with eosinophilia associated with t(5;12)

Definitions:
One of three myeloproliferative and lymphoid neoplasms associated with rearrangement of PDGFR, PDGFRB, and FGFR1. All result from formation of a fusion gene encoding an aberrant tyrosine kinase. This disease occurs in the context of hematologic disorders.

Definitive Diagnostic Methods:
Cytochemistry, Bone marrow biopsy, Genetic testing, FISH, Immunophenotyping

Primary Site: C421
Your search for "Myeloid neoplasms with PDGFRB rearrangement" found 57 results. Select your disease of interest

<table>
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**ICD-O-3 Code:** 9966/3

**Preferred Term:** Myeloid neoplasms with PDGFRB rearrangement

**Definition:**
One of three myeloproliferative and lymphoid neoplasms associated with rearrangement of PDGFRA, PDGFRA and FGFR1. All result from formation of a fusion gene encoding an aberrant tyrosine kinase. This disease occurs in association with rearrangement of FGFR1 at 5q31~33. Usually there is (5;12)(q31~33.p12) with

**Alternate Names:**
Chronic myelomonocytic leukemia with eosinophilia associated with t(5;12)

Select the fields you wish to display:
- [ ] All
- [ ] Disease genetics data
- [ ] Treatments
- [ ] Definitive diagnostic methods
- [ ] Disease immunohistotyping
- [ ] Transformations

[Display] [Print Screen]"
Hematopoietic Database

Multiple Primaries Calculator

Disease 1

Disease 2

Compare

Close Calculator

Display Codes...

Close Calculator

Hemat Manual
Hematopoietic Database

Multiple Primaries Calculator

Disease 1
9801/3

Disease 2

Compare

Close Calculator

Display Codes...

Close Calculator

Hemat Manual
Hematopoietic Database

Multiple Primaries Calculator

Disease 1  Disease 2
9801/3  9872/3

Compare
Close Calculator

Display Codes...  Close Calculator  Hemato Manual
Hematopoietic Database

Multiple Primaries Calculator

Disease 1
9801/3

Disease 2
9872/3

Compare

Close Calculator
Hematopoietic Database

Multiple Primaries Calculator

Disease 1       Disease 2
9801            9872

Same Primary

Ok
Close Calculator

Display Codes... Close Calculator Hemato Manual
Hematopoietic Database

Multiple Primaries Calculator

Disease 1
9801

Disease 2
9873

Same Primary

Ok
Close Calculator

Display Codes... Close Calculator Hemato Manual
Hematopoietic Database

Enter search term or code (xxxx/x):

| osseous |

Search  Clear

Display Codes...  Multiple Primaries Calculator...  Hemato Manual
Your search for "osseous plasmacytoma" found 4 results. Select your disease of interest:

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<tr>
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</thead>
<tbody>
<tr>
<td>Osseous plasmacytoma</td>
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<tr>
<td>Solitary plasmacytoma of bone</td>
<td>9731/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Extramembranous plasmacytoma</td>
<td>9734/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Medullary plasmacytoma</td>
<td>9732/3</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**ICD-O-3 Code: 9731/3**

**Preferred Term: Solitary plasmacytoma of bone**

**Definition**
A type of cancer that begins in the plasma cells (white blood cells that produce antibodies). A plasmacytoma may turn into multiple myeloma. Clonal proliferation of plasma cells cytologically and immunophenotypically identical to those of plasma cell myeloma but manifesting as localized osseous growth. Most common sites in the...

**Alternate Names**
- Osseous plasmacytoma
- Plasma cell tumor
- Plasmacytoma of bone
- Plasma cell, NOS
- Solitary plasmacytoma

Select the fields you wish to display:
- All
- Disease genetics data
- Treatment
- Definitive diagnostic methods
- Disease immunophenotyping
- Transaminases
Solitary plasmacytoma of bone

**ICD-O-3 Code:**
9731/3

**Preferred Term:**
Solitary plasmacytoma of bone

**Alternate Names:**
- Osseous plasmacytoma
- Plasma cell tumor
- Plasmacytoma of bone
- Plasmacytoma NOS

**Definitions:**
A type of cancer that begins in the plasma cells (white blood cells that produce antibodies). A plasmacytoma may turn into multiple myeloma.

**Definitive Diagnostic Methods:**
- Histological confirmation
- Immunohistochemistry

**Disease Genetics Data:**
- Ig clonal rearrangements, complex karyotypes with multiple chromosomal gains/losses; also translocations, deletions, mutations

**Disease Immunophenotyping:**
- Cytoplasmic Ig; surface Ig lacking; CD19+, CD20+, CD38+, CD79a+, CD138+, CD56+/53+, CD10 + occasionally

**Treatments**
(For more treatment information, see SEER*Stat)
Solitary plasmacytoma of bone

ICD-O-3 Code: 9731/3

Preferred Term: Solitary plasmacytoma of bone

Alternate Names: Plasmacytoma, NOS
Solitary plasmacytoma

Definitions:
A type of cancer that begins in the plasma cells (white blood cells that produce antibodies). A plasmacytoma may turn into multiple myeloma.

Primary Site: C400-C419

Definitive Diagnostic Methods:
Histological confirmation, Immunohistochemistry

Disease Genetics Data:
Ig clonal rearrangements, complex karyotypes with multiple chromosomal gains/losses; also translocations, deletions, mutations

Disease Immunophenotyping:
Cytoplasmic Ig; surface Ig lacking; CD19-, CD20-, CD38+, CD79a+, CD138+, CD56+/53-, CD10 +occasionally

Treatments: (For more treatment information, see SEER*Stat)
Solitary plasmacytoma of bone

ICD-O-3 Code: 9731/3
Preferred Term: Solitary plasmacytoma of bone
Alternate Names: Plasmacytoma, NOS, Solitary plasmacytoma

Definitions:
A type of cancer that begins in the plasma cells (white blood cells that produce antibodies). A plasmacytoma may turn into multiple myeloma.

Primary Site: C400-C419

Definitive Diagnostic Methods:
Histological confirmation, Immunohistochemistry

Disease Genetics Data:
Ig clonal rearrangements, complex karyotypes with multiple chromosomal gains/losses; also translocations, deletions, mutations

Disease Immunophenotyping:
Cytoplasmic Ig; surface Ig lacking; CD19+, CD20+, CD38+, CD79a+ CD138+, CD56/63+, CD10 + occasionally

Treatments: (For more treatment information, see SEER*Stat)
Solitary plasmacytoma of bone

ICD-O-3 Code: 9731/3
Prefered Term: Solitary plasmacytoma of bone

Alternate Names:
- Plasmacytoma, NOS
- Solitary plasmacytoma

Definitions:
A type of cancer that begins in the plasma cells (white blood cells that produce antibodies). A plasmacytoma may turn into multiple myeloma.

Primary Site: C400-C419

Definitive Diagnostic Methods:
- Histological confirmation, Immunohistochemistry

Disease Genetics Data:
- Ig clonal rearrangements, complex karyotypes with multiple chromosomal gains/losses; also translocations, deletions, mutations

Disease Immunophenotyping:
- Cytoplasmic Ig; surface Ig lacking; CD19+, CD20+, CD38+, CD79a+CD138+, CD56+/58+, CD10 +occasionally

Treatments (For more treatment information, see SEER*Stat)
Solitary plasmacytoma of bone

**ICD-O-3 Code:** 9731/3

**Preferred Term:** Solitary plasmacytoma of bone

**Alternate Names:**
- Osseous plasmacytoma
- Plasma cell tumor
- Plasmacytoma of bone
- Plasmacytoma, NOS

**Definitions:** Biopsies: no evidence of other bone lesions by radiographic examination; absence of renal failure; no hypercalcemia; no anemia.

**Primary Site:** C400-C419

**Disease Immunophenotyping:** Cytoplasmic Ig; surface Ig lacking; CD19-, CD20-, CD38+, CD79a+CD138+, CD55/58+, CD10 occasionally.

**Treatments** *(For more Treatment information, see SEER*Stat)*
- Radiation

**Transformations**
- Multiple myeloma
SEER*Rx - Cancer Registrar's Interactive Antineoplastic Drugs Database - Mozilla Firefox

SEER*Rx - Cancer Registrar's Interactive Antineoplastic Drugs Database

Information for Cancer Registrars

Data Submission Requirements

Reporting Guidelines

- Casefinding Lists
- Coding and Staging Manuals
- Collaborative Staging Manual
- Hematopoietic & Lymphoid Neoplasm Project
- Historical Staging and Coding Manuals
- ICD-O-3 Coding Materials
- MP/H Rules
- Summary Staging Manual 2000

SEER*Rx - Interactive Antineoplastic Drugs Database

Version 1.3.0 released May 1, 2009

SEER*Rx was developed as a one-step lookup for coding oncology drug and regimen names in cancer registries. The program is free and can be downloaded from this site. The database is updated annually.

The information in this database is effective for cancer diagnoses made on January 1, and recording of drugs from previous years is not required or recommended.

Release Notes

SEER*Rx was updated on May 1, 2009. Information from 889 NCI-listed clinical trials, listed in Pharma.org's Oncology Drugs under development, NCIC's drug information summary lists, two separate lists of current chemotherapy regimens, and 14 unduplicated queries from October 2008 through April 2009 was reviewed and incorporated into the update.

From this research, 5 new drugs and 23 regimens were added. Some of the new drugs help people who encounter a new drug name in a clinical trial recognize that that patient may be on a new regimen.
Solitary plasmacytoma of bone

**ICD-O-3 Code:** 9731/3  
**Preferred Term:** Solitary plasmacytoma of bone

**Alternate Names:**  
- Osseous plasmacytoma  
- Plasma cell tumor  
- Plasmacytoma of bone  
- Plasmacytoma NOS

**Definitions:**  
- Biopsies: no evidence of other bone lesions by radiographic examination, absence of renal failure, no hypercalcemia, no anemia.
- Also translocations, deletions, mutations

**Disease Immunophenotyping:**  
- Cytoplasmic Ig; surface Ig lacking; CD19-, CD20-, CD38+, CD79a+CD138+, CD55/58+, CD10 occasionally

**Treatments:**  
(For more treatment information, see [SEER*PSI](#))
- Radiation

**Transformations:**
- Multiple myeloma
This is a localized tumor in the bone consisting of monoclonal plasma cells. Complete skeletal radiographs (preferably MRI) show no other lesions. There is no evidence of bone marrow plasmacytosis other than the solitary lesion. **Vertebral lesions may be associated with symptomatic cord compression.** The most common sites are the vertebrae, ribs, skull, pelvis, femur, clavicle, and scapula. Thoracic vertebrae are more commonly involved than cervical or lumbar. Patient presents with bone pain at the site of the lesion or with a pathological fracture. Soft tissue extension may produce a palpable mass. An M-protein is found in the serum or urine in 24-72% of patients. There is no anemia, hypercalcemia, or renal failure related to the plasmacytoma. Local control is achieved by radiotherapy. Plasma cells are usually easily recognizable in tissue specimens. Even when the diagnosis is apparent, determination of light chain type is suggested.
Solitary plasmacytoma of bone

ICD-O-3 Code: 9731/3

Preferred Term: Solitary plasmacytoma of bone

Alternate Names:
- Osseous plasmacytoma
- Plasma cell tumor
- Plasmacytoma of bone
- Plasmacytoma NOS

Definitions:
- Biopsies: no evidence of other bone lesions by radiographic examination; absence of renal failure; no hypercalcemia; no anemia.
- Also translocations, deletions, mutations

Disease Immunophenotyping:
- Cytoplasmic Ig; surface Ig lacking; CD19+, CD20+, CD38+, CD79a+, CD138+, CD55/58+, CD10 occasionally

Treatments:
- (For more treatment information, see SEEPR) Radiation

Transformations:
- Multiple myeloma
Your search for "osseous plasmacytoma" found 4 results.
Select your disease of interest

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ICD-O-3 Code: 9731/3
Preferred Term: Solitary plasmacytoma of bone

Definition
plasma cell tumor; absence of a plasma cell infiltrate in random bone marrow biopsies; no evidence of other bone lesions by radiographic examination; absence of renal failure; no hypercalcaemia; no anemia.

Alternate Names
- Osseous plasmacytoma
- Plasma cell tumor
- Plasmacytoma of bone
- Plasmacytoma, NOS
- Solitary plasmacytoma

Select the fields you wish to display:
- All
- Disease genetics data
- Treatments
- Definitive diagnostic methods
- Disease immunohistotyping
- Transformations
Hematopoietic Database

Enter search term or code (xxxx/x):

follicular

Search  Clear

Display Codes...  Multiple Primaries Calculator...  Hemato Manual
Search Results

Your search for "follicular lymphoma" found 77 results.
Select your disease of interest

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ICD-O-3 Code: 9690/3
Preferred Term: Follicular lymphoma

Definition
B-cell malignancy of follicle center cells with at least partial follicular growth pattern. Centrocye (small cleaved cell) predominant with centroblasts (large non-cleaved cells) in minority. Neoplastic follicles closely packed and effacing nodal architecture, neoplastic cells with varying sclerosis between follicles.

Alternate Names
- Diffuse follicular lymphoma
- Extranodal follicular lymphoma
- FL
- Follicle center cell lymphoma
- Follicular lymphoma, NOS

Select the fields you wish to display:
- All
- Disease genetics data
- Disease immunohistochemistry
- Treatments
- Definitive diagnostic methods
- Disease immunohistochemistry
- Transformations

Back  Display  Print Screen
Search Results

Your search for "follicular lymphoma" found 77 results.
Select your disease of interest

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ICD-O-3 Code: 9690/3

Definition
B-cell malignancy, centrocyte (small cleaved lymphoma) in minority. Neoplastic cells show partial follicular growth pattern. Neoplastic cells (large non-cleaved cells) forming nodal architecture, infiltrating surrounding tissue.

Alternate Names
- Diffuse follicular lymphoma
- Extranodal follicular lymphoma
- FL
- Follicle center cell lymphoma
- Follicular lymphoma, NOS

Select the fields you wish to display:
- All
- Disease genetics data
- Treatments
- Definitive diagnostic methods
- Disease immunohistochemistry
- Transformations

See Module 6/PH 16, PH 17

OK
Follicular lymphoma

ICD-O-3 Code: 9690/3

Preferred Term: Follicular lymphoma

Alternate Names:
- Diffuse follicular lymphoma
- Extramedullary follicular lymphoma
- FL
- Follicle center cell lymphoma

Definitions:
B-cell malignancy of follicle center cells with at least partial follicular growth pattern, centrocyte (small cleaved cell) predominant with centroblasts (large non-cleaved cells) in minority. Neoplastic follicles closely packed and

Definitive Diagnostic Methods:
- FISH, Histological confirmation (with or without), Immunohistochemistry

Disease Genetics Data:
- IGH(VID-J) gene rearrangement, Translocation t(14;18)(q32;q21), BCL2 gene rearrangements, Heavy and light chains rearranged, t(14;18)(q32;q21)-85% with rearrangement of Bcl2 gene

Disease Immunophenotyping:
- CD5-, CD43-, Sig+(IgM+/IgD, IgG), CD19, CD20, CD22, CD79a, BCL2+, BCL6+, CD10+

Treatments:
For more treatment information, see SEE PfR

Back to Results  Display Abstractor Notes  Home
Follicular lymphoma, NOS histology is a generic disease description. DC0 cases or path report only cases usually stay in this classification. The NOS histology may be the working diagnosis. Further review of the medical record should be done to look for the tests listed as definitive diagnosis. The more specific diagnoses are: follicular lymphoma, grade 1; follicular lymphoma, grade 2; and follicular lymphoma, grade 3. When a more specific diagnosis is identified, the histology should be changed to the more specific neoplasm name and code. See the histology tables for more information on NOS and more specific histologies.

Follicular lymphoma (FL) predominantly involves lymph nodes, but also spleen, bone marrow (BM), peripheral blood (PB) and Waldeyer ring. Less commonly, FL may involve non-hematopoietic extranodal sites such as gastrointestinal tract or soft tissue; this usually occurs in a setting of widespread nodal disease. FL may occasionally be primary in extranodal sites including skin, GI tract, particularly the duodenum, ocular adnexa, breast, and testis. Most patients present with widespread disease, including peripheral and central (abdominal and thoracic) lymphadenopathy and splenomegaly. The BM is involved in 40-70%. Only 1/3 of patients present with stage I or II at the time of diagnosis. FL has been graded according to the proportion of large cells (centroblasts). Studies suggest this histologic grading predicts clinical outcome, with more large cells behaving more aggressively and having a higher likelihood of progression to diffuse large cell lymphoma.

There are three variants of FL: pediatric follicular lymphoma, primary intestinal follicular lymphoma, and other extranodal follicular lymphomas.

Pediatric follicular lymphoma involves cervical lymph nodes, other peripheral lymph nodes, or Waldeyer ring. Other extranodal involvement may occur. Children with FL typically have early stage disease. Pediatric FL lymphoma typically lacks BCL2 protein expression and t(14,15). Most are grade 3.
Follicular lymphoma involves cervical lymph nodes, other peripheral lymph nodes, or Waldeyer ring. Other extranodal involvement may occur. Children with FL typically have early stage disease. Pediatric FL lymphoma typically lacks BCL2 protein expression and t(14;15). Most are grade 3.

Pediatric follicular lymphoma in the GI tract occurs most commonly in the small intestine, and frequently involves the duodenum. Duodenal follicular lymphoma is predominantly found in the second portion of the duodenum, presenting as multiple polyps. The diagnosis is most often an incidental finding. Most patients have localized disease and prognosis is excellent even without treatment.

Other extranodal follicular lymphomas occur in almost any extranodal site. Patients usually have localized extranodal disease and systemic relapses are rare. Testicular follicular FL are reported with increased frequency in children, but also are reported in adults.
Follicular lymphoma

Diagnosis: Follicular lymphoma is diagnosed based on clinical presentation and histological examination of tissue samples. Treatment: The treatment approach varies depending on the stage of the disease. Generally, it involves a combination of chemotherapy, radiation therapy, and sometimes immunotherapy.

**References**


**Keywords**

Follicular lymphoma, chemotherapy, radiation therapy, immunotherapy.
There are three variants of FL: pediatric follicular lymphoma, primary intestinal follicular lymphoma, and other extranodal follicular lymphomas.

Pediatric follicular lymphoma involves cervical lymph nodes, other peripheral lymph nodes, or Waldeyer ring. Other extranodal involvement may occur. Children with FL typically have early stage disease. Pediatric FL lymphoma typically lacks BCL2 protein expression and t(14;15). Most are grade 3.

Primary intestinal follicular lymphoma in the GI tract occurs most commonly in the small intestine, and frequently involves the duodenum. Duodenal follicular lymphoma is predominantly found in the second portion of the duodenum, presenting as multiple polyps. The diagnosis is most often an incidental finding. Most patients have localized disease and prognosis is excellent even without treatment.

Other extranodal follicular lymphomas occur in almost any extranodal site. Patients usually have localized extranodal disease and systemic relapses are rare. Testicular follicular FL are reported with increased frequency in children, but also are reported in adults.
**Follicular lymphoma**

**ICD-O-3 Code:** 9690/3  
**Preferred Term:** Follicular lymphoma

**Alternate Names:**  
- Diffuse follicular lymphoma  
- Extranodal follicular lymphoma  
- FL  
- Follicle center cell lymphoma

**Definitions:**  
B-cell malignancy of follicle center cells with at least partial follicular growth pattern, centrocyte (small cleaved cell) predominant with centroblasts (large non-cleaved cells) in minority. Neoplastic follicles closely packed and

**Definitive Diagnostic Methods:**  
- FISH, Histological confirmation (with or without), Immunohistochemistry

**Disease Genetics Data:**  
- IGH(VD-J) gene rearrangement, Translocation t(14;18)(q32;q21), BCL2 gene rearrangements, Heavy and light chains rearranged, t(14;18)(q32;q21)-85% with rearrangement of Bcl2 gene

**Disease Immunophenotyping:**  
- CD5-, CD43-, Sig+ (IgM+/IgD, IgG), CD19, CD20, CD22, CD79a, BCL2+, BCL6+, CD10+

**Treatments**  
(For more Treatment information, see [SEER*Stat](https://seer.cancer.gov/stats/) )
Your search for "follicular lymphoma" found 77 results.
Select your disease of interest.

<table>
<thead>
<tr>
<th>Matched Term</th>
<th>ICD-O-3 Code</th>
<th>Reportable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Follicular lymphoma</td>
<td>9690/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Follicular lymphoma, grade 3</td>
<td>9698/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Follicular lymphoma, grade 1</td>
<td>9695/3</td>
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<td>Follicular lymphoma, grade 2</td>
<td>9691/3</td>
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<tr>
<td>Follicular lymphoma, grade 3A</td>
<td>9698/3</td>
<td>Yes</td>
</tr>
<tr>
<td>Follicular lymphoma, grade 3B</td>
<td>9690/3</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**ICD-O-3 Code: 9690/3**

**Preferred Term:** Follicular lymphoma

**Definition:**
B-cell malignancy of follicle center cells with at least partial follicular growth pattern. Centrocye (small cleaved cell) predominant with centroblasts (large non-cleaved cells) in minority. Neoplastic follicles closely packed and effacing nodal architecture, neoplastic cells with varying sclerosis between follicles.

**Alternate Names**
- Diffuse follicular lymphoma
- Extramedullary follicular lymphoma
- FL
- Follicle center cell lymphoma
- Follicular lymphoma, NOS

Select the fields you wish to display:
- All
- Disease genetics data
- Treatments
- Definitive diagnostic methods
- Disease immunohistochemistry
- Transformations

Display Screen
Conclusion

- The new hematopoietic and lymphoid neoplasm rules go into effect for cases diagnosed January 1, 2010, and after

- Email address for questions askseercfr@imsweb.com