



CLINICAL MEDICAL POLICY	
Policy Name:	Rituxan (Rituximab)
Policy Number:	MP-031-MD-PA
Responsible Department(s):	Medical Management; Clinical Pharmacy
Provider Notice Date:	08/15/2017
Original Effective Date:	09/15/2017
Annual Approval Date:	N/A
Revision Date:	N/A
Products:	Gateway Health SM Medicaid
Application:	All participating hospitals and providers
Page Number(s):	1 of 19

DISCLAIMER

Gateway HealthSM (Gateway) clinical medical policy is intended to serve only as a general reference resource regarding coverage for the services described. This policy does not constitute medical advice and is not intended to govern or otherwise influence medical decisions.

POLICY STATEMENT

Gateway HealthSM provides coverage under the medical surgical benefits of the Company's Medicaid products for medically necessary intravenous administration of Rituxan.

This policy is designed to address medical necessity guidelines that are appropriate for the majority of individuals with a particular disease, illness or condition. Each person's unique clinical circumstances warrants individual consideration, based upon review of applicable medical records.

(Current applicable Pennsylvania HealthChoices Agreement Section V. Program Requirements, B. Prior Authorization of Services, 1. General Prior Authorization Requirements.)

DEFINITIONS

Rituxan (Rituximab) – A chimeric monoclonal antibody that targets CD20, which is located on the surface of immune system B cells. Rituxan binds to the CD20, and B cells are destroyed.

JC Virus – A very common virus infecting 70% to 90% of humans; most people acquire the virus in childhood or adolescence. The virus can cross the blood-brain barrier into the central nervous system.

Progressive Multifocal Leukoencephalopathy (PML) – A serious infection of the brain caused by the JC virus. PML is often seen as a complication with hematologic malignancies, organ transplant, inflammatory diseases, multiple sclerosis and with several monoclonal antibody therapies.

PROCEDURES

1. Coverage may be provided when the indication is one of the following FDA-labeled indications:

A. Non-Hodgkin Lymphoma (NHL)

- 1) The patient must be at least 18 years of age; AND
- 2) The prescribing physician is a hematologist, oncologist, or rheumatologist; AND
- 3) Patient should be encouraged to receive vaccination against Hepatitis B virus; AND
- 4) Oncologic indications should be classified as CD2—positive; AND
- 5) Non-progressive (including stable disease), low grade, CD20 positive, B-cell NHL as a single agent AFTER first-line CVP chemotherapy; OR
- 6) Previously untreated diffuse large B-cell, CD20 positive NHL in combination with a chemotherapy regimen (CHOP-cyclophosphamide, doxorubicin, vincristine, and prednisone) or other anthracycline-based chemotherapy regimens; OR
- 7) Relapsed or refractory, low-grade or follicular, CD20 positive, B-cell NHL as a single agent; OR
- 8) Previously untreated follicular, CD20 positive, B-cell NHL in combination with first-line chemotherapy; OR
- 9) Patients achieving a complete or partial response in combination with chemotherapy, as a single-agent maintenance therapy; AND
- 10) The dose and frequency requested must be within FDA-approved labeling.

B. Chronic Lymphocytic Leukemia (CLL)

- 1) The patient is at least 18 years of age or older; AND
- 2) The prescribing physician is a hematologist, oncologist, or rheumatologist; AND
- 3) Patient should be encouraged to receive vaccination against Hepatitis B virus; AND
- 4) Oncologic indications should be classified as CD2—positive; AND
- 5) The drug will be used in combination with Fludarabine or Chlorambucil for first-line therapy; OR
- 6) The drug will be used in combination with Bendamustine as first-line therapy in patients 70 years old and older, or younger than 70 years with significant comorbidities as first or second line therapy; OR
- 7) The drug will be used in combination with Idelalisib for relapsed/refractory disease; AND
- 8) The dose and frequency requested must be within FDA-approved labeling.

- C. Granulomatosis (Wegener’s Granulomatosis)
 - 1) The patient is at least 18 years of age or older; AND
 - 2) The prescribing physician is a hematologist, oncologist, or rheumatologist; AND
 - 3) Patient should be encouraged to receive vaccination against Hepatitis B virus; AND
 - 4) Oncologic indications should be classified as CD2—positive; AND
 - 5) The drug must be used as induction therapy for remission; AND
 - 6) The drug will be used in combination with glucocorticoids; AND
 - 7) The dose and frequency requested must be within FDA-approved labeling.

- D. Microscopic polyangiitis or polyarteritis nodosa
 - 1) The patient is at least 18 years of age or older; AND
 - 2) The prescribing physician is a hematologist, oncologist, or rheumatologist; AND
 - 3) Patient should be encouraged to receive vaccination against Hepatitis B virus; AND
 - 4) Oncologic indications should be classified as CD2—positive; AND
 - 5) The drug will be used in combination with glucocorticoids; AND
 - 6) The dose and frequency requested must be within FDA-approved labeling.

- E. Rheumatoid Arthritis (RA)
 - 1) The patient is aged 18 years or older; AND
 - 2) The prescribing physician is a hematologist, oncologist, or rheumatologist; AND
 - 3) The patients should be encouraged to receive vaccination against Hepatitis B virus; AND
 - 4) Oncologic indications should be classified as CD2—positive; AND
 - 5) The patient has moderate to severe active RA; AND
 - 6) The drug will be used in combination with methotrexate; AND
 - 7) The patient has had an inadequate response to one or more tumor-necrosis-factor antagonist therapies; AND
 - 8) The drug is not used in combination with any other biologic agent (e.g., Arzerra, Enbrel, Humira, Cimzia, Simponi, Remicade, Orencia, Stelara, and Kineret); AND
 - 9) The dose and frequency requested must be within FDA-approved labeling.

- 2. Contraindications
 - A. The patient has evidence of severe active infection; OR
 - B. The patient has PML or history of PML; OR
 - C. Use of rituximab for maintenance therapy for Wegener’s Granulomatosis (WG) and Microscopic Polyangiitis (MPA).

- 3. Coverage may be provided for any non-FDA labeled indication if it is determined that the use is a medically accepted indication supported by nationally recognized pharmacy compendia or peer-reviewed medical literature for the treatment of the diagnosis (es) for which it is prescribed. These requests will be reviewed on a case-by-case basis to determine medical necessity.

When criteria are not met, the request will be forwarded to a Medical Director for review. The physician reviewer must override criteria when, in their professional judgment, the requested medication is medically necessary.

- 4. Post-payment Audit Statement

The medical record must include documentation that reflects the medical necessity criteria and is subject to audit by Gateway HealthSM at any time pursuant to the terms of your provider agreement.

5. Place of Service

The place of service for the administration of Rituxan is outpatient.

GOVERNING BODIES APPROVAL

In 1997, the U.S. Food and Drug Administration (FDA) approved the use of rituximab (Rituxan) for treatment of relapsed or refractory low-grade or follicular, CD20 positive, B-cell non-Hodgkin lymphoma. Supplemental approvals have since been issued, including the use of rituximab (Rituxan) for the treatment of multiple types of non-Hodgkin lymphoma (NHL), chronic lymphocytic leukemia (CLL), rheumatoid arthritis, Wegener's Granulomatosis (WG) and microscopic polyangiitis (MPA).

In February 2006, the FDA granted approval for rituximab for use in the first-line treatment of patients with large B-cell, CD20 positive, NHL in combination with CHOP or other anthracycline-based chemotherapy regimens.

In September 2006, FDA approval was granted for rituximab for use in the first-line treatment of patients with low-grade or follicular B cell, CD20 non-Hodgkin lymphoma.

In 2006, the FDA granted approval of rituximab in combination with methotrexate in the treatment of adults with moderately to severely active rheumatoid arthritis who have had an inadequate response to one or more TNF antagonist therapies.

CODING REQUIREMENTS

Procedure Codes

HCPCS Code	Description
J9310	Injection, rituximab, 100mg

Diagnosis Codes

ICD-10 Codes	Description
C82.00	Follicular lymphoma grade I, unspecified site
C82.01	Follicular lymphoma grade I, lymph nodes of head, neck and face
C82.02	Follicular lymphoma grade I, intrathoracic lymph nodes
C82.03	Follicular lymphoma grade I, intra-abdominal lymph nodes
C82.04	Follicular lymphoma grade I, axilla and upper limb
C82.05	Follicular lymphoma grade I, inguinal region and lower limb
C82.06	Follicular lymphoma grade I, intrapelvic lymph nodes
C82.07	Follicular lymphoma grade I, spleen
C82.08	Follicular lymphoma grade I, lymph nodes of multiple sites
C82.09	Follicular lymphoma grade I, extranodal and solid organ sites
C82.10	Follicular lymphoma grade II, unspecified site
C82.11	Follicular lymphoma grade II, lymph nodes of head, neck and face
C82.12	Follicular lymphoma grade II, intrathoracic lymph nodes
C82.13	Follicular lymphoma grade II, intra-abdominal lymph nodes
C82.14	Follicular lymphoma grade II, axilla and upper limb
C82.15	Follicular lymphoma grade II, inguinal region and lower limb
C82.16	Follicular lymphoma grade II, intrapelvic lymph nodes

C82.17	Follicular lymphoma grade II, spleen
C82.18	Follicular lymphoma grade II, lymph nodes of multiple sites
C82.19	Follicular lymphoma grade II, extranodal and solid organ sites
C82.20	Follicular lymphoma grade III, unspecified site
C82.21	Follicular lymphoma grade III, unspecified lymph nodes of head, neck and face
C82.22	Follicular lymphoma grade III, unspecified intrathoracic lymph nodes
C82.23	Follicular lymphoma grade III, unspecified intra-abdominal lymph nodes
C82.24	Follicular lymphoma grade III, unspecified axilla and upper limb
C82.25	Follicular lymphoma grade III, unspecified inguinal region and lower limb
C82.26	Follicular lymphoma grade III, unspecified intrapelvic lymph nodes
C82.27	Follicular lymphoma grade III, unspecified spleen
C82.28	Follicular lymphoma grade III, unspecified lymph nodes of multiple sites
C82.29	Follicular lymphoma grade III, unspecified extranodal and solid organ sites
C82.30	Follicular lymphoma grade IIIa, unspecified site
C82.31	Follicular lymphoma grade IIIa, lymph nodes of head, neck and face
C82.32	Follicular lymphoma grade IIIa, intrathoracic lymph nodes
C82.33	Follicular lymphoma grade IIIa, intra-abdominal lymph nodes
C82.34	Follicular lymphoma grade IIIa, axilla and upper limb
C82.35	Follicular lymphoma grade IIIa, inguinal region and lower limb
C82.36	Follicular lymphoma grade IIIa, intrapelvic lymph nodes
C82.37	Follicular lymphoma grade IIIa, spleen
C82.38	Follicular lymphoma grade IIIa, lymph nodes of multiple sites
C82.39	Follicular lymphoma grade IIIa, extranodal and solid organ sites
C82.40	Follicular lymphoma grade IIIb, unspecified site
C82.41	Follicular lymphoma grade IIIb, lymph nodes of head, neck and face
C82.42	Follicular lymphoma grade IIIb, intrathoracic lymph nodes
C82.43	Follicular lymphoma grade IIIb, intra-abdominal lymph nodes
C82.44	Follicular lymphoma grade IIIb, axilla and upper limb
C82.45	Follicular lymphoma grade IIIb, inguinal region and lower limb
C82.46	Follicular lymphoma grade IIIb, intrapelvic lymph nodes
C82.47	Follicular lymphoma grade IIIb, spleen
C82.48	Follicular lymphoma grade IIIb, lymph nodes of multiple sites
C82.49	Follicular lymphoma grade IIIb, extranodal and solid organ sites
C82.60	Cutaneous follicle center lymphoma, unspecified site
C82.61	Cutaneous follicle center lymphoma, lymph nodes of head, neck and face
C82.62	Cutaneous follicle center lymphoma, intrathoracic lymph nodes
C82.63	Cutaneous follicle center lymphoma, intra-abdominal lymph nodes
C82.64	Cutaneous follicle center lymphoma, axilla and upper limb
C82.65	Cutaneous follicle center lymphoma, inguinal region and lower limb
C82.66	Cutaneous follicle center lymphoma, intrapelvic lymph nodes
C82.67	Cutaneous follicle center lymphoma, spleen
C82.68	Cutaneous follicle center lymphoma, lymph nodes of multiple sites
C82.69	Cutaneous follicle center lymphoma, extranodal and solid organ sites
C82.80	Other types of follicular lymphoma, unspecified site
C82.81	Other types of follicular lymphoma, lymph nodes of head, neck and face

C82.82	Other types of follicular lymphoma, intrathoracic lymph nodes
C82.83	Other types of follicular lymphoma, intra-abdominal lymph nodes
C82.84	Other types of follicular lymphoma, axilla and upper limb
C82.85	Other types of follicular lymphoma, inguinal region and lower limb
C82.86	Other types of follicular lymphoma, intrapelvic lymph nodes
C82.87	Other types of follicular lymphoma, spleen
C82.88	Other types of follicular lymphoma, lymph nodes of multiple sites
C82.89	Other types of follicular lymphoma, extranodal and solid organ sites
C82.90	Follicular lymphoma, unspecified site
C82.91	Follicular lymphoma, unspecified, lymph nodes of head, neck and face
C82.92	Follicular lymphoma, unspecified, intrathoracic lymph nodes
C82.93	Follicular lymphoma, unspecified, intra-abdominal lymph nodes
C82.94	Follicular lymphoma, unspecified, axilla and upper limb
C82.95	Follicular lymphoma, unspecified, inguinal region and lower limb
C82.96	Follicular lymphoma, unspecified, intrapelvic lymph nodes
C82.97	Follicular lymphoma, unspecified, spleen
C82.98	Follicular lymphoma, unspecified, lymph nodes of multiple sites
C82.99	Follicular lymphoma, unspecified, extranodal and solid organ sites
C83.00	Small cell B-cell lymphoma, unspecified site
C83.01	Small cell B-cell lymphoma, lymph nodes of head, neck and face
C83.02	Small cell B-cell lymphoma, intrathoracic lymph nodes
C83.03	Small cell B-cell lymphoma, intra-abdominal lymph nodes
C83.04	Small cell B-cell lymphoma, axilla and upper limb
C83.05	Small cell B-cell lymphoma, inguinal region and lower limb
C83.06	Small cell B-cell lymphoma, intrapelvic lymph nodes
C83.07	Small cell B-cell lymphoma, spleen
C83.08	Small cell B-cell lymphoma, lymph nodes of multiple sites
C83.09	Small cell B-cell lymphoma, extranodal and solid organ sites
C83.10	Mantle cell lymphoma, unspecified site
C83.11	Mantle cell lymphoma, lymph nodes of head, neck and face
C83.12	Mantle cell lymphoma, intrathoracic lymph nodes
C83.13	Mantle cell lymphoma, intra-abdominal lymph nodes
C83.14	Mantle cell lymphoma, axilla and upper limb
C83.15	Mantle cell lymphoma, inguinal region and lower limb
C83.16	Mantle cell lymphoma, intrapelvic lymph nodes
C83.17	Mantle cell lymphoma, spleen
C83.18	Mantle cell lymphoma, lymph nodes of multiple sites
C83.19	Mantle cell lymphoma, extranodal and solid organ sites
C83.30	Diffuse large B-cell lymphoma, unspecified site
C83.31	Diffuse large B-cell lymphoma, lymph nodes of head, neck and face
C83.32	Diffuse large B-cell lymphoma, intrathoracic lymph nodes
C83.33	Diffuse large B-cell lymphoma, intra-abdominal lymph nodes
C83.34	Diffuse large B-cell lymphoma, axilla and upper limb
C83.35	Diffuse large B-cell lymphoma, inguinal region and lower limb
C83.36	Diffuse large B-cell lymphoma, intrapelvic lymph nodes

C83.37	Diffuse large B-cell lymphoma, spleen
C83.38	Diffuse large B-cell lymphoma, lymph nodes of multiple sites
C83.39	Diffuse large B-cell lymphoma, extranodal and solid organ sites
C83.50	Lymphoblastic (diffuse) lymphoma, unspecified site
C83.51	Lymphoblastic (diffuse) lymphoma, lymph nodes of head, neck and face
C83.52	Lymphoblastic (diffuse) lymphoma, intrathoracic lymph nodes
C83.53	Lymphoblastic (diffuse) lymphoma, intra-abdominal lymph nodes
C83.54	Lymphoblastic (diffuse) lymphoma, axilla and upper limb
C83.55	Lymphoblastic (diffuse) lymphoma, inguinal region and lower limb
C83.56	Lymphoblastic (diffuse) lymphoma, intrapelvic lymph nodes
C83.57	Lymphoblastic (diffuse) lymphoma, spleen
C83.58	Lymphoblastic (diffuse) lymphoma, lymph nodes of multiple sites
C83.59	Lymphoblastic (diffuse) lymphoma, extranodal and solid organ sites
C83.70	Burkitt lymphoma, unspecified site
C83.71	Burkitt lymphoma, lymph nodes of head, neck and face
C83.72	Burkitt lymphoma, intrathoracic lymph nodes
C83.73	Burkitt lymphoma, intra-abdominal lymph nodes
C83.74	Burkitt lymphoma, axilla and upper limb
C83.75	Burkitt lymphoma, lymph nodes of inguinal region and lower limb
C83.76	Burkitt lymphoma, intrapelvic lymph nodes
C83.77	Burkitt lymphoma, spleen
C83.78	Burkitt lymphoma, lymph nodes of multiple sites
C83.79	Burkitt lymphoma, extranodal and solid organ sites
C83.80	Other non-follicular lymphoma, unspecified site
C83.81	Other non-follicular lymphoma, lymph nodes of head, face and neck
C83.82	Other non-follicular lymphoma, intrathoracic lymph nodes
C83.83	Other non-follicular lymphoma, intra-abdominal lymph nodes
C83.84	Other non-follicular lymphoma, lymph nodes of axilla and upper limb
C83.85	Other non-follicular lymphoma, lymph nodes of inguinal region and lower limb
C83.86	Other non-follicular lymphoma, intrapelvic lymph nodes
C83.87	Other non-follicular lymphoma, spleen
C83.88	Other non-follicular lymphoma, lymph nodes of multiple sites
C83.89	Other non-follicular lymphoma, extranodal and solid organ sites
C85.90	Non-Hodgkin lymphoma, unspecified, unspecified site
C85.91	Non-Hodgkin lymphoma, unspecified, lymph nodes of head, face and neck
C85.92	Non-Hodgkin lymphoma, unspecified, intrathoracic lymph nodes
C85.93	Non-Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes
C85.94	Non-Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb
C85.95	Non-Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb
C85.96	Non-Hodgkin lymphoma, unspecified, intrapelvic lymph nodes
C85.97	Non-Hodgkin lymphoma, unspecified, spleen
C85.98	Non-Hodgkin lymphoma, unspecified, lymph nodes of multiple sites
C85.99	Non-Hodgkin lymphoma, unspecified, extranodal and solid organ sites
C86.5	Angioimmunoblastic T-cell lymphoma
C86.6	Primary cutaneous CD30-positive T-cell proliferations

C88.4	Extranodal marginal zone B-cell lymphoma of mucosa-associated lymphoid tissue [MALT-lymphoma]
C91.10	Chronic lymphocytic leukemia of B-cell type not having achieved remission
C91.12	Chronic lymphocytic leukemia of B-cell type in relapse
C91.40	Hairy cell leukemia not having achieved remission
C91.42	Hairy cell leukemia, in relapse
M05.00	Felty's syndrome, unspecified site
M05.011	Felty's syndrome, right shoulder
M05.012	Felty's syndrome, left shoulder
M05.019	Felty's syndrome, unspecified shoulder
M05.021	Felty's syndrome, right elbow
M05.022	Felty's syndrome, left elbow
M05.029	Felty's syndrome, unspecified elbow
M05.031	Felty's syndrome, right wrist
M05.032	Felty's syndrome, left wrist
M05.039	Felty's syndrome, unspecified wrist
M05.041	Felty's syndrome, right hand
M05.042	Felty's syndrome, left hand
M05.049	Felty's syndrome, unspecified hand
M05.051	Felty's syndrome, right hip
M05.05	Felty's syndrome, left hip
M05.05	Felty's syndrome, unspecified hip
M05.061	Felty's syndrome, right knee
M05.062	Felty's syndrome, left knee
M05.069	Felty's syndrome, unspecified knee
M05.071	Felty's syndrome, right ankle and foot
M05.072	Felty's syndrome, left ankle and foot
M05.079	Felty's syndrome, unspecified ankle and foot
M05.09	Felty's syndrome, multiple sites
M05.10	Rheumatoid lung disease with rheumatoid arthritis of unspecified site
M05.111	Rheumatoid lung disease with rheumatoid arthritis of right shoulder
M05.112	Rheumatoid lung disease with rheumatoid arthritis of left shoulder
M05.119	Rheumatoid lung disease with rheumatoid arthritis of unspecified shoulder
M05.121	Rheumatoid lung disease with rheumatoid arthritis of right elbow
M05.122	Rheumatoid lung disease with rheumatoid arthritis of left elbow
M05.129	Rheumatoid lung disease with rheumatoid arthritis of unspecified elbow
M05.131	Rheumatoid lung disease with rheumatoid arthritis of right wrist
M05.132	Rheumatoid lung disease with rheumatoid arthritis of left wrist
M05.139	Rheumatoid lung disease with rheumatoid arthritis of unspecified wrist
M05.141	Rheumatoid lung disease with rheumatoid arthritis of right hand
M05.142	Rheumatoid lung disease with rheumatoid arthritis of left hand
M05.149	Rheumatoid lung disease with rheumatoid arthritis of unspecified hand
M05.151	Rheumatoid lung disease with rheumatoid arthritis of right hip
M05.152	Rheumatoid lung disease with rheumatoid arthritis of left hip
M05.159	Rheumatoid lung disease with rheumatoid arthritis of unspecified hip

M05.161	Rheumatoid lung disease with rheumatoid arthritis of right knee
M05.162	Rheumatoid lung disease with rheumatoid arthritis of left knee
M05.169	Rheumatoid lung disease with rheumatoid arthritis of unspecified knee
M05.171	Rheumatoid lung disease with rheumatoid arthritis of right ankle and foot
M05.172	Rheumatoid lung disease with rheumatoid arthritis of left ankle and foot
M05.179	Rheumatoid lung disease with rheumatoid arthritis of unspecified ankle and foot
M05.20	Rheumatoid vasculitis with rheumatoid arthritis of unspecified site
M05.211	Rheumatoid vasculitis with rheumatoid arthritis of right shoulder
M05.212	Rheumatoid vasculitis with rheumatoid arthritis of left shoulder
M05.219	Rheumatoid vasculitis with rheumatoid arthritis of unspecified shoulder
M05.221	Rheumatoid vasculitis with rheumatoid arthritis of right elbow
M05.222	Rheumatoid vasculitis with rheumatoid arthritis of left elbow
M05.229	Rheumatoid lung disease with rheumatoid arthritis of unspecified elbow
M05.231	Rheumatoid vasculitis with rheumatoid arthritis of right wrist
M05.232	Rheumatoid vasculitis with rheumatoid arthritis of left wrist
M05.239	Rheumatoid vasculitis with rheumatoid arthritis of unspecified wrist
M05.241	Rheumatoid vasculitis with rheumatoid arthritis of right hand
M05.242	Rheumatoid vasculitis with rheumatoid arthritis of left hand
M05.249	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hand
M05.251	Rheumatoid vasculitis with rheumatoid arthritis of right hip
M05.252	Rheumatoid vasculitis with rheumatoid arthritis of left hip
M05.259	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hip
M05.261	Rheumatoid vasculitis with rheumatoid arthritis of right knee
M05.262	Rheumatoid vasculitis with rheumatoid arthritis of left knee
M05.269	Rheumatoid vasculitis with rheumatoid arthritis of unspecified knee
M05.271	Rheumatoid vasculitis with rheumatoid arthritis of right ankle and foot
M05.272	Rheumatoid vasculitis with rheumatoid arthritis of left ankle and foot
M05.279	Rheumatoid vasculitis with rheumatoid arthritis of unspecified ankle and foot
M05.311	Rheumatoid heart disease with rheumatoid arthritis of right shoulder
M05.312	Rheumatoid heart disease with rheumatoid arthritis of left shoulder
M05.319	Rheumatoid heart disease with rheumatoid arthritis of unspecified shoulder
M05.321	Rheumatoid heart disease with rheumatoid arthritis of right elbow
M05.322	Rheumatoid heart disease with rheumatoid arthritis of left elbow
M05.329	Rheumatoid heart disease with rheumatoid arthritis of unspecified elbow
M05.331	Rheumatoid heart disease with rheumatoid arthritis of right wrist
M05.332	Rheumatoid heart disease with rheumatoid arthritis of left wrist
M05.339	Rheumatoid heart disease with rheumatoid arthritis of unspecified wrist
M05.341	Rheumatoid heart disease with rheumatoid arthritis of right hand
M05.342	Rheumatoid heart disease with rheumatoid arthritis of left hand
M05.349	Rheumatoid heart disease with rheumatoid arthritis of unspecified hand
M05.351	Rheumatoid heart disease with rheumatoid arthritis of right hip
M05.352	Rheumatoid heart disease with rheumatoid arthritis of left hip
M05.359	Rheumatoid heart disease with rheumatoid arthritis of unspecified hip
M05.361	Rheumatoid heart disease with rheumatoid arthritis of right knee
M05.362	Rheumatoid heart disease with rheumatoid arthritis of left knee

M05.369	Rheumatoid heart disease with rheumatoid arthritis of unspecified knee
M05.371	Rheumatoid heart disease with rheumatoid arthritis of right ankle and foot
M05.372	Rheumatoid heart disease with rheumatoid arthritis of left ankle and foot
M05.379	Rheumatoid heart disease with rheumatoid arthritis of unspecified ankle and foot
M05.411	Rheumatoid myopathy with rheumatoid arthritis of right shoulder
M05.412	Rheumatoid myopathy with rheumatoid arthritis of left shoulder
M05.419	Rheumatoid myopathy with rheumatoid arthritis of unspecified shoulder
M05.421	Rheumatoid myopathy with rheumatoid arthritis of right elbow
M05.422	Rheumatoid myopathy with rheumatoid arthritis of left elbow
M05.429	Rheumatoid myopathy with rheumatoid arthritis of unspecified elbow
M05.431	Rheumatoid myopathy with rheumatoid arthritis of right wrist
M05.432	Rheumatoid myopathy with rheumatoid arthritis of left wrist
M05.439	Rheumatoid myopathy with rheumatoid arthritis of unspecified wrist
M05.441	Rheumatoid myopathy with rheumatoid arthritis of right hand
M05.442	Rheumatoid myopathy with rheumatoid arthritis of left hand
M05.449	Rheumatoid myopathy with rheumatoid arthritis of unspecified hand
M05.451	Rheumatoid myopathy with rheumatoid arthritis of right hip
M05.452	Rheumatoid myopathy with rheumatoid arthritis of left hip
M05.459	Rheumatoid myopathy with rheumatoid arthritis of unspecified hip
M05.461	Rheumatoid myopathy with rheumatoid arthritis of right knee
M05.462	Rheumatoid myopathy with rheumatoid arthritis of left knee
M05.469	Rheumatoid myopathy with rheumatoid arthritis of unspecified knee
M05.471	Rheumatoid myopathy with rheumatoid arthritis of right ankle and foot
M05.472	Rheumatoid myopathy with rheumatoid arthritis of left ankle and foot
M05.479	Rheumatoid myopathy with rheumatoid arthritis of unspecified ankle and foot
M05.511	Rheumatoid polyneuropathy with rheumatoid arthritis of right shoulder
M05.512	Rheumatoid polyneuropathy with rheumatoid arthritis of left shoulder
M05.519	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified shoulder
M05.521	Rheumatoid polyneuropathy with rheumatoid arthritis of right elbow
M05.522	Rheumatoid polyneuropathy with rheumatoid arthritis of left elbow
M05.529	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified elbow
M05.531	Rheumatoid polyneuropathy with rheumatoid arthritis of right wrist
M05.532	Rheumatoid polyneuropathy with rheumatoid arthritis of left wrist
M05.539	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified wrist
M05.541	Rheumatoid polyneuropathy with rheumatoid arthritis of right elbow
M05.542	Rheumatoid polyneuropathy with rheumatoid arthritis of left elbow
M05.549	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified elbow
M05.551	Rheumatoid polyneuropathy with rheumatoid arthritis of right hip
M05.552	Rheumatoid polyneuropathy with rheumatoid arthritis of left hip
M05.559	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hip
M05.561	Rheumatoid polyneuropathy with rheumatoid arthritis of right knee
M05.562	Rheumatoid polyneuropathy with rheumatoid arthritis of left knee
M05.569	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified knee
M05.571	Rheumatoid polyneuropathy with rheumatoid arthritis of right ankle and foot
M05.572	Rheumatoid polyneuropathy with rheumatoid arthritis of left ankle and foot

M05.579	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified ankle and foot
M05.59	Rheumatoid polyneuropathy with rheumatoid arthritis of multiple sites
M05.611	Rheumatoid arthritis of right shoulder with involvement of other organs and systems
M05.612	Rheumatoid arthritis of left shoulder with involvement of other organs and systems
M05.619	Rheumatoid arthritis of unspecified shoulder with involvement of other organs and systems
M05.621	Rheumatoid arthritis of right elbow with involvement of other organs and systems
M05.622	Rheumatoid arthritis of left elbow with involvement of other organs and systems
M05.629	Rheumatoid arthritis of unspecified elbow with involvement of other organs and systems
M05.631	Rheumatoid arthritis of right wrist with involvement of other organs and systems
M05.632	Rheumatoid arthritis of left wrist with involvement of other organs and systems
M05.639	Rheumatoid arthritis of unspecified wrist with involvement of other organs and systems
M05.641	Rheumatoid arthritis of right hand with involvement of other organs and systems
M05.642	Rheumatoid arthritis of left hand with involvement of other organs and systems
M05.649	Rheumatoid arthritis of unspecified hand with involvement of other organs and systems
M05.651	Rheumatoid arthritis of right hip with involvement of other organs and systems
M05.652	Rheumatoid arthritis of left hip with involvement of other organs and systems
M05.659	Rheumatoid arthritis of unspecified hip with involvement of other organs and systems
M05.661	Rheumatoid arthritis of right knee with involvement of other organs and systems
M05.662	Rheumatoid arthritis of left knee with involvement of other organs and systems
M05.669	Rheumatoid arthritis of unspecified knee with involvement of other organs and systems
M05.671	Rheumatoid arthritis of right ankle and foot with involvement of other organs and systems
M05.672	Rheumatoid arthritis of left ankle and foot with involvement of other organs and systems
M05.679	Rheumatoid arthritis of unspecified ankle and foot with involvement of other organs and systems
M05.711	Rheumatoid arthritis with rheumatoid factor of right shoulder without organ or systems involvement
M05.712	Rheumatoid arthritis with rheumatoid factor of left shoulder without organ or systems involvement
M05.719	Rheumatoid arthritis with rheumatoid factor of unspecified shoulder without organ or systems involvement
M05.721	Rheumatoid arthritis with rheumatoid factor of right elbow without organ or systems involvement
M05.722	Rheumatoid arthritis with rheumatoid factor of left elbow without organ or systems involvement
M05.729	Rheumatoid arthritis with rheumatoid factor of unspecified elbow without organ or systems involvement
M05.731	Rheumatoid arthritis with rheumatoid factor of right wrist without organ or systems involvement

M05.732	Rheumatoid arthritis with rheumatoid factor of left wrist without organ or systems involvement
M05.739	Rheumatoid arthritis with rheumatoid factor of unspecified wrist without organ or systems involvement
M05.741	Rheumatoid arthritis with rheumatoid factor of right hand without organ or systems involvement
M05.742	Rheumatoid arthritis with rheumatoid factor of left hand without organ or systems involvement
M05.749	Rheumatoid arthritis with rheumatoid factor of unspecified hand without organ or systems involvement
M05.751	Rheumatoid arthritis with rheumatoid factor of right hip without organ or systems involvement
M05.752	Rheumatoid arthritis with rheumatoid factor of left hip without organ or systems involvement
M05.759	Rheumatoid arthritis with rheumatoid factor of unspecified hip without organ or systems involvement
M05.761	Rheumatoid arthritis with rheumatoid factor of right knee without organ or systems involvement
M05.762	Rheumatoid arthritis with rheumatoid factor of left knee without organ or systems involvement
M05.769	Rheumatoid arthritis with rheumatoid factor of unspecified knee without organ or systems involvement
M05.771	Rheumatoid arthritis with rheumatoid factor of right ankle and foot without organ or systems involvement
M05.772	Rheumatoid arthritis with rheumatoid factor of left ankle and foot without organ or systems involvement
M05.779	Rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot without organ or systems involvement
M05.79	Rheumatoid arthritis with rheumatoid factor of multiple sites without organ or systems involvement
M05.811	Other rheumatoid arthritis with rheumatoid factor of right shoulder
M05.812	Other rheumatoid arthritis with rheumatoid factor of left shoulder
M05.819	Other rheumatoid arthritis with rheumatoid factor of unspecified shoulder
M05.821	Other rheumatoid arthritis with rheumatoid factor of right elbow
M05.822	Other rheumatoid arthritis with rheumatoid factor of left elbow
M05.829	Other rheumatoid arthritis with rheumatoid factor of unspecified elbow
M05.831	Other rheumatoid arthritis with rheumatoid factor of right wrist
M05.832	Other rheumatoid arthritis with rheumatoid factor of left wrist
M05.839	Other rheumatoid arthritis with rheumatoid factor of unspecified wrist
M05.841	Other rheumatoid arthritis with rheumatoid factor of right hand
M05.842	Other rheumatoid arthritis with rheumatoid factor of left hand
M05.849	Other rheumatoid arthritis with rheumatoid factor of unspecified hand
M05.851	Other rheumatoid arthritis with rheumatoid factor of right hip
M05.852	Other rheumatoid arthritis with rheumatoid factor of left hip
M05.859	Other rheumatoid arthritis with rheumatoid factor of unspecified hip
M05.861	Other rheumatoid arthritis with rheumatoid factor of right knee

M05.862	Other rheumatoid arthritis with rheumatoid factor of left knee
M05.869	Other rheumatoid arthritis with rheumatoid factor of unspecified knee
M05.871	Other rheumatoid arthritis with rheumatoid factor of right ankle and foot
M05.872	Other rheumatoid arthritis with rheumatoid factor of left ankle and foot
M05.879	Other rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot
M06.011	Other rheumatoid arthritis without rheumatoid factor of right shoulder
M06.012	Other rheumatoid arthritis without rheumatoid factor of left shoulder
M06.019	Other rheumatoid arthritis without rheumatoid factor of unspecified shoulder
M06.021	Other rheumatoid arthritis without rheumatoid factor of right elbow
M06.022	Other rheumatoid arthritis without rheumatoid factor of left elbow
M06.029	Other rheumatoid arthritis without rheumatoid factor of unspecified elbow
M06.031	Other rheumatoid arthritis without rheumatoid factor of right wrist
M06.032	Other rheumatoid arthritis without rheumatoid factor of left wrist
M06.039	Other rheumatoid arthritis without rheumatoid factor of unspecified wrist
M06.041	Other rheumatoid arthritis without rheumatoid factor of right hand
M06.042	Other rheumatoid arthritis without rheumatoid factor of left hand
M06.049	Other rheumatoid arthritis without rheumatoid factor of unspecified hand
M06.051	Other rheumatoid arthritis without rheumatoid factor of right hip
M06.052	Other rheumatoid arthritis without rheumatoid factor of left hip
M06.059	Other rheumatoid arthritis without rheumatoid factor of unspecified hip
M06.061	Other rheumatoid arthritis without rheumatoid factor of right knee
M06.062	Other rheumatoid arthritis without rheumatoid factor of left knee
M06.069	Other rheumatoid arthritis without rheumatoid factor of unspecified knee
M06.071	Other rheumatoid arthritis without rheumatoid factor of right ankle and foot
M06.072	Other rheumatoid arthritis without rheumatoid factor of left ankle and foot
M06.079	Other rheumatoid arthritis without rheumatoid factor of unspecified ankle and foot
M06.08	Rheumatoid arthritis without rheumatoid factor, vertebrae
M06.09	Rheumatoid arthritis without rheumatoid factor, multiple sites
M06.211	Rheumatoid bursitis, right shoulder
M06.212	Rheumatoid bursitis, left shoulder
M06.219	Rheumatoid bursitis, unspecified shoulder
M06.221	Rheumatoid bursitis, right elbow
M06.222	Rheumatoid bursitis, left elbow
M06.229	Rheumatoid bursitis, unspecified elbow
M06.231	Rheumatoid bursitis, right wrist
M06.232	Rheumatoid bursitis, left wrist
M06.239	Rheumatoid bursitis, unspecified wrist
M06.241	Rheumatoid bursitis, right hand
M06.242	Rheumatoid bursitis, left hand
M06.249	Rheumatoid bursitis, unspecified hand
M06.251	Rheumatoid bursitis, right hip
M06.252	Rheumatoid bursitis, left hip
M06.259	Rheumatoid bursitis, unspecified hip
M06.261	Rheumatoid bursitis, right knee
M06.262	Rheumatoid bursitis, left knee

M06.269	Rheumatoid bursitis, unspecified knee
M06.271	Rheumatoid bursitis, right ankle and foot
M06.272	Rheumatoid bursitis, left ankle and foot
M06.279	Rheumatoid bursitis, unspecified ankle and foot
M06.28	Rheumatoid bursitis, vertebrae
M06.29	Rheumatoid bursitis, multiple sites
M06.311	Rheumatoid nodule, right shoulder
M06.312	Rheumatoid nodule, left shoulder
M06.319	Rheumatoid nodule, unspecified shoulder
M06.321	Rheumatoid nodule, right elbow
M06.322	Rheumatoid nodule, left elbow
M06.329	Rheumatoid nodule, unspecified elbow
M06.331	Rheumatoid nodule, right wrist
M06.332	Rheumatoid nodule, left wrist
M06.339	Rheumatoid nodule, unspecified wrist
M06.341	Rheumatoid nodule, right hand
M06.342	Rheumatoid nodule, left hand
M06.349	Rheumatoid nodule, unspecified hand
M06.351	Rheumatoid nodule, right hip
M06.352	Rheumatoid nodule, left hip
M06.359	Rheumatoid nodule, unspecified hip
M06.361	Rheumatoid nodule, right knee
M06.362	Rheumatoid nodule, left knee
M06.369	Rheumatoid nodule, unspecified knee
M06.371	Rheumatoid nodule, right ankle and foot
M06.372	Rheumatoid nodule, left ankle and foot
M06.379	Rheumatoid nodule, unspecified ankle and foot
M06.38	Rheumatoid nodule, vertebrae
M06.39	Rheumatoid nodule, multiple sites
M06.4	Inflammatory polyarthropathy
M06.811	Other specified rheumatoid arthritis, right shoulder
M06.812	Other specified rheumatoid arthritis, left shoulder
M06.819	Other specified rheumatoid arthritis, unspecified shoulder
M06.821	Other specified rheumatoid arthritis, right elbow
M06.822	Other specified rheumatoid arthritis, left elbow
M06.829	Other specified rheumatoid arthritis, unspecified elbow
M06.831	Other specified rheumatoid arthritis, right wrist
M06.832	Other specified rheumatoid arthritis, left wrist
M06.839	Other specified rheumatoid arthritis, unspecified wrist
M06.841	Other specified rheumatoid arthritis, right hand
M06.842	Other specified rheumatoid arthritis, left hand
M06.849	Other specified rheumatoid arthritis, unspecified hand
M06.851	Other specified rheumatoid arthritis, right hip
M06.852	Other specified rheumatoid arthritis, left hip
M06.859	Other specified rheumatoid arthritis, unspecified hip

M06.861	Other specified rheumatoid arthritis, right knee
M06.862	Other specified rheumatoid arthritis, left knee
M06.869	Other specified rheumatoid arthritis, unspecified knee
M06.871	Other specified rheumatoid arthritis, right ankle and foot
M06.872	Other specified rheumatoid arthritis, left ankle and foot
M06.879	Other specified rheumatoid arthritis, unspecified ankle and foot
M06.88	Other specified rheumatoid arthritis, vertebrae
M06.89	Other specified rheumatoid arthritis, multiple sites
M07.611	Enteropathic arthropathies, right shoulder
M07.612	Enteropathic arthropathies, left shoulder
M07.619	Enteropathic arthropathies, unspecified shoulder
M07.621	Enteropathic arthropathies, right elbow
M07.622	Enteropathic arthropathies, left elbow
M07.629	Enteropathic arthropathies, unspecified elbow
M07.631	Enteropathic arthropathies, right wrist
M07.632	Enteropathic arthropathies, left wrist
M07.639	Enteropathic arthropathies, unspecified wrist
M07.641	Enteropathic arthropathies, right hand
M07.642	Enteropathic arthropathies, left hand
M07.649	Enteropathic arthropathies, unspecified hand
M07.651	Enteropathic arthropathies, right hip
M07.652	Enteropathic arthropathies, left hip
M07.659	Enteropathic arthropathies, unspecified hip
M07.661	Enteropathic arthropathies, right knee
M07.662	Enteropathic arthropathies, left knee
M07.669	Enteropathic arthropathies, unspecified knee
M07.671	Enteropathic arthropathies, right ankle and foot
M07.672	Enteropathic arthropathies, left ankle and foot
M07.679	Enteropathic arthropathies, unspecified ankle and foot
M07.68	Enteropathic arthropathies, vertebrae
M07.69	Enteropathic arthropathies, multiple sites
M08.011	Unspecified juvenile rheumatoid arthritis, right shoulder
M08.012	Unspecified juvenile rheumatoid arthritis, left shoulder
M08.019	Unspecified juvenile rheumatoid arthritis, unspecified shoulder
M08.021	Unspecified juvenile rheumatoid arthritis, right elbow
M08.022	Unspecified juvenile rheumatoid arthritis, left elbow
M08.029	Unspecified juvenile rheumatoid arthritis, unspecified elbow
M08.031	Unspecified juvenile rheumatoid arthritis, right wrist
M08.032	Unspecified juvenile rheumatoid arthritis, left wrist
M08.039	Unspecified juvenile rheumatoid arthritis, unspecified wrist
M08.041	Unspecified juvenile rheumatoid arthritis, right hand
M08.042	Unspecified juvenile rheumatoid arthritis, left hand
M08.049	Unspecified juvenile rheumatoid arthritis, unspecified hand
M08.051	Unspecified juvenile rheumatoid arthritis, right hip
M08.052	Unspecified juvenile rheumatoid arthritis, left hip

M08.059	Unspecified juvenile rheumatoid arthritis, unspecified hip
M08.061	Unspecified juvenile rheumatoid arthritis, right knee
M08.062	Unspecified juvenile rheumatoid arthritis, left knee
M08.069	Unspecified juvenile rheumatoid arthritis, unspecified knee
M08.071	Unspecified juvenile rheumatoid arthritis, right ankle and foot
M08.072	Unspecified juvenile rheumatoid arthritis, left ankle and foot
M08.079	Unspecified juvenile rheumatoid arthritis, unspecified ankle and foot
M08.08	Unspecified juvenile rheumatoid arthritis, vertebrae
M08.09	Unspecified juvenile rheumatoid arthritis, multiple sites
M08.211	Juvenile rheumatoid arthritis with systemic onset, right shoulder
M08.212	Juvenile rheumatoid arthritis with systemic onset, left shoulder
M08.219	Juvenile rheumatoid arthritis with systemic onset, unspecified shoulder
M08.221	Juvenile rheumatoid arthritis with systemic onset, right elbow
M08.222	Juvenile rheumatoid arthritis with systemic onset, left elbow
M08.229	Juvenile rheumatoid arthritis with systemic onset, unspecified elbow
M08.231	Juvenile rheumatoid arthritis with systemic onset, right wrist
M08.232	Juvenile rheumatoid arthritis with systemic onset, left wrist
M08.239	Juvenile rheumatoid arthritis with systemic onset, unspecified wrist
M08.241	Juvenile rheumatoid arthritis with systemic onset, right hand
M08.242	Juvenile rheumatoid arthritis with systemic onset, left hand
M08.249	Juvenile rheumatoid arthritis with systemic onset, unspecified hand
M08.251	Juvenile rheumatoid arthritis with systemic onset, right hip
M08.252	Juvenile rheumatoid arthritis with systemic onset, left hip
M08.259	Juvenile rheumatoid arthritis with systemic onset, unspecified hip
M08.261	Juvenile rheumatoid arthritis with systemic onset, right knee
M08.262	Juvenile rheumatoid arthritis with systemic onset, left knee
M08.269	Juvenile rheumatoid arthritis with systemic onset, unspecified knee
M08.271	Juvenile rheumatoid arthritis with systemic onset, right ankle and foot
M08.272	Juvenile rheumatoid arthritis with systemic onset, left ankle and foot
M08.279	Juvenile rheumatoid arthritis with systemic onset, unspecified ankle and foot
M08.28	Juvenile rheumatoid arthritis with systemic onset, vertebrae
M08.29	Juvenile rheumatoid arthritis with systemic onset, multiple sites
M08.411	Periarticular juvenile rheumatoid arthritis, right shoulder
M08.412	Periarticular juvenile rheumatoid arthritis, left shoulder
M08.419	Periarticular juvenile rheumatoid arthritis, unspecified shoulder
M08.421	Periarticular juvenile rheumatoid arthritis, right elbow
M08.422	Periarticular juvenile rheumatoid arthritis, left elbow
M08.429	Periarticular juvenile rheumatoid arthritis, unspecified elbow
M08.431	Periarticular juvenile rheumatoid arthritis, right wrist
M08.432	Periarticular juvenile rheumatoid arthritis, left wrist
M08.439	Periarticular juvenile rheumatoid arthritis, unspecified wrist
M08.441	Periarticular juvenile rheumatoid arthritis, right hand
M08.442	Periarticular juvenile rheumatoid arthritis, left hand
M08.449	Periarticular juvenile rheumatoid arthritis, unspecified hand
M08.451	Periarticular juvenile rheumatoid arthritis, right hip

M08.452	Periarticular juvenile rheumatoid arthritis, left hip
M08.459	Periarticular juvenile rheumatoid arthritis, unspecified hip
M08.461	Periarticular juvenile rheumatoid arthritis, right knee
M08.462	Periarticular juvenile rheumatoid arthritis, left knee
M08.469	Periarticular juvenile rheumatoid arthritis, unspecified knee
M08.471	Periarticular juvenile rheumatoid arthritis, right ankle and foot
M08.472	Periarticular juvenile rheumatoid arthritis, left ankle and foot
M08.479	Periarticular juvenile rheumatoid arthritis, unspecified ankle and foot
M08.48	Periarticular juvenile rheumatoid arthritis, vertebrae
M12.311	Palindromic rheumatism, right shoulder
M12.312	Palindromic rheumatism, left shoulder
M12.319	Palindromic rheumatism, unspecified shoulder
M12.321	Palindromic rheumatism, right elbow
M12.322	Palindromic rheumatism, left elbow
M12.329	Palindromic rheumatism, unspecified elbow
M12.331	Palindromic rheumatism, right wrist
M12.332	Palindromic rheumatism, left wrist
M12.339	Palindromic rheumatism, unspecified wrist
M12.341	Palindromic rheumatism, right hand
M12.342	Palindromic rheumatism, left hand
M12.349	Palindromic rheumatism, unspecified hand
M12.351	Palindromic rheumatism, right hip
M12.352	Palindromic rheumatism, left hip
M12.359	Palindromic rheumatism, unspecified hip
M12.361	Palindromic rheumatism, right knee
M12.362	Palindromic rheumatism, left knee
M12.369	Palindromic rheumatism, unspecified knee
M12.371	Palindromic rheumatism, right ankle and foot
M12.372	Palindromic rheumatism, left ankle and foot
M12.379	Palindromic rheumatism, unspecified ankle and foot
M12.338	Palindromic rheumatism, vertebrae
M12.339	Palindromic rheumatism, multiple sites
M31.30	Wegner's granulomatosis without renal involvement
M31.31	Wegner's granulomatosis with renal involvement
M31.7	Microscopic polyangiitis

REIMBURSEMENT

Participating facilities will be reimbursed per their Gateway HealthSM contract.

SUMMARY OF LITERATURE

Rituxan (rituximab) is a genetically engineered chimeric mouse/human monoclonal antibody directed against the CD20 antigen found on the surface of normal and malignant B lymphocytes. This monoclonal antibody recognizes and sticks to the surface of white blood cells called B cells. These B cells produce the harmful antibodies like the rheumatoid factors. After Rituxan (rituximab) labels the B cells, the body's immune system activates and kills the targeted cells. These B cells return in about 1 month. Rituxan is given intravenously (IV).

Rheumatoid arthritis is a chronic condition where the person's own immune system causes inflammation of the joints and the tissue around the joints. The body is equipped with a defense mechanism called the immune system which protects itself from disease and infection. When a person has an autoimmune condition, the immune system creates antibodies that attack its own tissues. Rheumatoid arthritis usually starts between the age of 25 and 55 and the cause is unknown. Symptoms of rheumatoid arthritis (RA) are described as painful inflammation of the synovial tissue lining the joints. These patients have elevated levels of tumor necrosis factor-alpha (TNF-a) in their joints. Chronic joint inflammation leads to tissue break down, cell damage to the bone, edema, warmth, redness, joint stiffness, and pain. These patients are also fatigued, weak, have a low-grade fever and loss of appetite.

Tumor necrosis factor inhibiting drugs such as Remicade (infliximab), Enbrel (etanercept), or Humira (adalimumab) are considered first line treatment before considering the use of Rituxan (rituximab).

Common Chemotherapy Regimen Abbreviations

RCHOP^a (rituximab, cyclophosphamide, doxorubicin, vincristine, and prednisone)

DHAP^b (dexamethasone, cisplatin, and cytarabine)

ESHAP^c (etoposide, methylprednisolone, high-dose cytarabine, and cisplatin)

ICE^d (ifosfamide, carboplatin, and etoposide)

Dose-adjusted EPOCH^e (etoposide, prednisone, vincristine, cyclophosphamide, and doxorubicin)

RCVP^f (rituximab, cyclophosphamide, vincristine, and prednisone)

GDP^g (gemcitabine, dexamethasone, and cisplatin; or gemcitabine, dexamethasone, and carboplatin)

MINE^h (mesna, ifosfamide, mitoxantrone, and etoposide)

POLICY SOURCE(S)

Reference Sources

Rituxan[®] (Rituximab) [package insert]. San Francisco, CA: Genetech, Inc.; 04/2016.

Rituximab. In: Micromedex 2.0 online. Ann Arbor (MI): Truven Health Analytics; [2016; accessed December 12, 2016].

NCCN Guidelines Version 1.2016: Non-Hodgkin's Lymphomas, Chronic Lymphocytic Leukemia, Small Lymphocytic Lymphoma.

Policy History

Date	
06/08/2017	Initial policy developed
07/19/2017	QI/UM Committee approval
09/15/2017	Provider effective date