

AmeriHealth Caritas Louisiana

National Imaging Associates, Inc. *		
Clinical guidelines	Original Date: November 2007	
SINUS, FACE, ORBIT, FACE, NECK, SINUS		
MRI		
CPT Codes: 70540, 70542, 70543	Last Revised Date: April March 20221	
Guideline Number: NIA_CG_014	Implementation Date: January 20232	

INDICATIONS FOR ORBIT MRI

If there is a combination request* for an overlapping body part, either requested at the same time or sequentially (within the past 3 months) the results of the prior study should be:

- Inconclusive or show a need for additional or follow up imaging evaluation OR
- The office notes should clearly document an indication why overlapping imaging is needed and how it will change management for the patient.
 (*Unless approvable in the combination section as noted in the guidelines)

MRI is superior for the evaluation of the visual pathways, globe and soft tissues; CT is preferred for visualizing bony detail and calcifications^{1,2} (Hande, 2012; Kennedy, 2018)

Abnormal external or direct eye exam

- Exophthalmos (proptosis) or enophthalmos
- Ophthalmoplegia with concern for orbital pathology
- o Unilateral optic disk swelling³⁻⁵ (Hata, 2017; Margolin, 2019; Passi, 2013)
- Documented visual field defect⁶⁻⁹ (Fadzil, 2013; Kedar, 2011; Prasad, 2012; Sadun, 2011)
 - Unilateral or with abnormal optic disc(s) (e.g., optic disc blurring, edema, or pallor); AND
 - Not explained by underlying diagnosis, glaucoma, or macular degeneration

Optic neuritis¹⁰⁻¹³

(CMSC, 2018; Gala, 2015; Srikajon, 2018; Voss, 2011)

^{*} National Imaging Associates, Inc. (NIA) is a subsidiary of Magellan Healthcare, Inc.

- If atypical presentation_-(bilateral, absence of pain, optic nerve hemorrhages, severe visual impairment, lack of response to steroids, or-poor recovery or recurrencefollowing initial onset or treatment onset O)^{14,15}R
- If needed to confirm optic neuritis and rule out compressive lesions

Orbital trauma^{16,17}

(Lin, 2012; Sung, 2014)

- o Physical findings of direct eye injury
- o Suspected orbital trauma with indeterminate x-ray or ultrasound
- Orbital or ocular mass/tumor, suspected or known^{1,7}

(Hande, 2012; Kedar, 2011)

• Clinical suspicion of orbital infection^{1,2}

(Hande, 2012; Kennedy, 2018)

Clinical suspicion of osteomyelitis^{18,19}

(Arunkumar, 2011; Lee, 2016)

- Direct visualization of bony deformity OR
- o Abnormal x-rays
- Clinical suspicion of Orbital Inflammatory Disease (e.g., eye pain and restricted eye
 movement with suspected orbital pseudotumor)²⁰
 (Pakdaman, 2014)
- Congenital orbital anomalies
- Complex strabismus syndromes (with ophthalmoplegia or ophthalmoparesis)- to aid in diagnosis, treatment and/or surgical planning²¹⁻²³
 (Demer. 2002: Kadom. 2008)

NOTE: FOR ADDITIONAL ONCOLOGIC OTHER-ORBIT MRI INDICATIONS, CLICK HERE

INDICATIONS FOR ORBIT AND BRAIN MRI COMBINATION STUDIES:

- Optic neuropathy or unilateral optic disk swelling of unclear etiology to distinguish between a compressive lesion of the optic nerve, optic neuritis, ischemic optic neuropathy (arteritic or non-arteritic), central retinal vein occlusion or optic nerve infiltrative disorders²⁴ (Behbehani, 2007)
- Bilateral optic disk swelling (papilledema) with vision loss³ (Margolin, 2019)

- Optic neuritis
 - if atypical presentation (bilateral, absence of pain, optic nerve hemorrhages, severe visual impairment, lack of response to steroids, poor recovery or recurrence)¹⁰⁻¹⁵ (reference same as above 10-13 and new)
 - o If needed to confirm optic neuritis and rule out compressive lesions
- if atypical presentation, severe visual impairment, or poor recovery following initial onset or treatment onset 10 (CMSC, 2018)
- Known or suspected neuromyelitis optica spectrum disorder with severe, recurrent, or bilateral optic neuritis²⁵ (Wingerchuk, 2015)
- For approved indications as noted above and being performed in a child under 8 years of age who will need anesthesia for the procedure and there is a suspicion of concurrent intracranial pathology²⁶ (Lawson, 2000)

INDICATIONS FOR FACE/SINUS MRI:

- Rhinosinusitis²⁷ (Kirsch, 2017)
 - o Clinical suspicion of fungal infection²⁸ (Gavito-Higuera, 2016)
 - Clinical suspicion of orbital or intracranial complications—(Arunkumar, 2011; Lee, 2016), 18, 19 such as
 - Preseptal, orbital, or central nervous system infection
 - Osteomyelitis
 - Cavernous sinus thrombosis
- Sinonasal obstruction, suspected-mass, based on exam, nasal endoscopy, or prior imaging^{27, 29} (Kirsch, 2017; Rosenfeld, 2015)
- Suspected infection
 - Osteomyelitis (after x-rays)²⁷ (Pincus, 2009)
 - Abscess
- Anosmia or Dysosmia based on objective testing that is persistent and of unknown origin³⁰⁻³² (Policeni, 2017; Rouby, 2011; Zaghouani, 2013)
- Suspected infection
 - Osteomyelitis (after x-rays)³³
 - Abscess based on clinical signs and symptoms of infection
- Granulomatosis with polyangiitis (Wegener's granulomatosis) disease³¹ (Pakalniskis, 2015)
- Face mass^{27, 34, 35}

(Kirsch, 2017; Koeller, 2016; Kuno, 2014):

 Present on physical exam and remains non-diagnostic after x-ray or ultrasound is completed

- o Known or highly suspected head and neck cancer on examination²⁷ (Kirsch, 2017)
- Failed 2 weeks of treatment for suspected infectious adenopathy³⁶ (Haynes, 2015)
- Facial trauma^{16, 17, 37, 38}

(Echo, 2010; Lin, 2012; Raju, 2017; Sung, 2014)

- Physical findings of direct facial bone injury
- Concern for soft tissue injury to For further evaluation evaluate of a known fracture for treatment or surgical planning³⁹

Note: CSF (cerebrospinal fluid) rhinorrhea - Sinus CT is indicated when looking to characterize a bony defect. CSF otorrhea - Temporal Bone CT is indicated. For intermittent leaks and complex cases, consider CT/MRI/Nuclear Cisternography). CSF fluid should always be confirmed with laboratory testing (Beta - 2 transferrin assay)

- Granulomatosis with polyangiitis (Wegener's granulomatosis) disease³¹
- Trigeminal neuralgia/neuropathy (for evaluation of the extracranial nerve course)
 - If atypical features (e.g., bilateral, hearing loss, dizziness/vertigo, visual changes, sensory loss, numbness, pain > 2min, pain outside trigeminal nerve distribution, progression)^{30, 40} (ACR, 2017; Hughes, 2016; Policeni, 2017)

NOTE: FOR <u>ADDITIONAL ONCOLOGIC OTHER</u> FACE/SINUS MRI INDICATIONS, CLICK <u>HERE</u>

INDICATIONS FOR FACE/SINUS AND BRAIN MRI COMBINATION STUDIES:

- Anosmia or dysosmia on objective testing that is persistent and of unknown origin^{30, 32, 41}
 (ACR, 2017; Decker, 2013; Policeni, 2017; Zaghouani, 2013)
- Granulomatosis with polyangiitis (Wegener's granulomatosis) disease⁴² (Pakalniskis, 2015)
- Trigeminal neuralgia that meets the above criteria^{30, 40} (Hughes 2016; Policeni, 2017)
- For approved indications as noted above and being performed in a child under 8 years of age who will need anesthesia for the procedure and there is a suspicion of concurrent intracranial pathology²⁶ (Lawson, 2000).

INDICATIONS FOR NECK MRI:

Suspected tumor or cancer⁴³:

(ACR, 2018a)

- Suspicious lesions in mouth or throat 35 (Kuno, 2014).
- Suspicious mass/tumor found on another imaging study and needing clarification

- Neck mass or lymphadenopathy (non-parotid or non-thyroid)
 - Present on physical exam and remains non-diagnostic after ultrasound is completed³⁵ (Kuno, 2014)
 - Mass or abnormality found on other imaging study and needing further evaluation
 Note: For discrete cystic lesions of the neck, an ultrasound should be performed as initial imaging unless there is a high suspicion of malignancy
 - Increased risk for malignancy with one or more of the following findings⁴⁴ (Pynnonen, 2017):
 - Fixation to adjacent tissues
 - Firm consistency
 - Size >1.5 cm
 - Ulceration of overlying skin
 - Mass present ≥ two weeks (or uncertain duration) without significant fluctuation and not considered of infectious cause
 - History of cancer
 - o Failed 2 weeks of treatment for suspected infectious adenopathy³⁶ (Haynes, 2015).
 - Pediatric (≤18 years old) considerations¹⁰
 - Ultrasound should be inconclusive or suspicious unless there is a history of malignancy¹¹

Note: For discrete cystic lesions of the neck, an ultrasound should be performed as initial imaging unless there is a high suspicion of malignancy

- Neck Mass (parotid)⁴³ (ACR, 2018a)
 - o Parotid mass found on other imaging study and needing further evaluation (US is the initial imaging study of a parotid region mass)
- Neck Mass (thyroid)⁴⁵ (ACR, 2018b)
 - Staging and monitoring for recurrence of known thyroid cancer⁴⁵ (ACR, 2018b).
 - To assess extent of thyroid tissue when other imaging suggests extension through the thoracic inlet into the mediastinum or concern for airway compression^{46, 47} (Gharib 2016; Lin, 2016)

Note: <u>US</u> is the initial imaging study of a thyroid region mass. Biopsy is usually the next step. In the evaluation of known thyroid malignancy, CT is preferred over MRI since there is less respiratory motion artifact. Chest CT may be included for preoperative assessment in some cases <u>US</u> is the initial imaging study of a thyroid region mass. CT is preferred over MRI in the evaluation of thyroid masses since there is less respiratory motion artifact. Chest CT may be included for preoperative assessment in some cases

Pediatric patients (≤ 18 years old)⁴⁸:

(Wai, 2020)

- Neck masses if ultrasound is inconclusive or suspicious⁴⁹ (Brown, 2016)
- History of malignancy

Known or suspected deep space infections or abscesses of the pharynx or neck with signs or symptoms of infection 48

(Mever, 2009)

Other indications for a Neck MRI:

- MR Sialography to evaluate salivary ducts^{49, 50} (Burke, 2011; Ren, 2015)
- Vocal cord lesions or vocal cord paralysis⁵¹ (Dankbaar, 2014).
- Unexplained ear pain when ordered by a specialist with all of the following⁵² (Earwood, 2018)
 - Otoscopic exam, nasolaryngoscopy, lab evaluation (ESR, CBC) AND
 - Risk factor for malignancy i.e., tobacco use, alcohol use, dysphagia, weight loss OR age older than 50 years
- Diagnosed primary hyperparathyroidism when surgery is planned
 - Previous nondiagnostic ultrasound or nuclear medicine scan^{53, 54} (Khan, 2014; Piciucchi, 2012).
- Bell's palsy/hemifacial spasm (for evaluation of the extracranial nerve course)
 - If atypical signs, slow resolution beyond three weeks, no improvement at four months, or facial twitching/spasms prior to onset⁵⁵ (Quesnel, 2010)
- Objective cranial nerve palsy (CN IX-XII) (for evaluation of the extracranial nerve course)^{30, 56} (ACR, 2017; Mumtaz, 2014; Policeni, 2017)
- Brachial plexopathy if mechanism of injury or EMG/NCV studies are suggestive^{57, 58}
 (Vijayasarathi, 2016)

Note: Chest MRI is preferred study, but neck and/or shoulder (upper extremity) MRI can be ordered depending on the suspected location of injury

NOTE: FOR OTHER ADDITIONAL NECKONCOLOGIC NECK MRI INDICATIONS, CLICK HERE

INDICATIONS FOR NECK AND BRAIN MRI COMBINATION STUDIES:

- Objective cranial nerve palsy (CN IX-XII) (for evaluation of the extracranial nerve course)^{30, 56} (ACR, 2017; Mumtaz, 2014; Policeni, 2017)
- For approved indications as noted above and being performed in a child under 8 years of age who will need anesthesia for the procedure and there is a suspicion of concurrent intracranial pathology²⁶ (Lawson, 2000).

ADDITIONAL ONCOLOGIC OTHER INDICATIONS FOR ORBIT/FACE/SINUS/NECK MRI

Known tumor or cancer of skull base, orbits, sinuses, face, tongue, larynx, nasopharynx, pharynx, or salivary glands

- Initial staging³⁵ (Kuno, 2014)
- Restaging during treatment
- Suspected recurrence or new metastases based on symptoms or examination findings
 - New mass
 - Change in lymph nodes⁵⁹ (Hoang, 2013)
- Surveillance appropriate for tumor type and stage

Indication for combination studies for the initial pre-therapy staging of cancer, OR active monitoring for recurrence as clinically indicated OR evaluation of suspected metastases

 < 5 concurrent studies to include CT or MRI of any of the following areas as appropriate depending on the cancer: Neck, Abdomen, Pelvis, Chest, Brain, Cervical Spine, Thoracic Spine or Lumbar Spine

Pre-operative/procedural evaluation

Pre-operative evaluation for a planned surgery or procedure

Post- operative/procedural evaluation

• When imaging, physical, or laboratory findings indicate surgical or procedural complications

BACKGROUND:

Magnetic resonance imaging (MRI) is used in the evaluation of face and neck region masses, trauma, and infection. The soft-tissue contrast between normal and abnormal tissues provided by MRI is sensitive for differentiating between inflammatory disease and malignant tumors and permits the precise delineation of tumor margins. MRI is used for therapy planning and follow-up of face and neck neoplasms. It is also used for the evaluation of neck lymphadenopathy and vocal cord lesions.

CT scanning remains the study of choice for the imaging evaluation of acute and chronic inflammatory diseases of the sinonasal cavities. MRI is not considered the first-line study for routine sinus imaging because of limitations in the definition of the bony anatomy and length of imaging time. MRI for confirmation of diagnosis of sinusitis is discouraged because of hypersensitivity (overdiagnosis) in comparison to CT without contrast. MRI, however, is superior to CT in differentiating inflammatory conditions from neoplastic processes. MRI may better depict intraorbital and intracranial complications in cases of aggressive sinus infection, as well as differentiating soft-tissue masses from inflammatory mucosal disease. MRI may also identify fungal invasive sinusitis or encephaloceles.

Anosmia — Nonstructural causes of anosmia include post viral symptoms, medications (Amitriptyline, Enalapril, Nifedipine, Propranolol, Penicillamine, Sumatriptan, Cisplatin, Trifluoperazine, Propylthiouracil). These should be considered prior to advanced imaging to look for a structural cause. Anosmia and dysgeusia have been reported as common early symptoms in patients with COVID-19, occurring in greater than 80 percent of patients. For isolated anosmia, imaging is typically not needed once the diagnosis of COVID has been made given the high association. As such, COVID testing should be done prior to imaging (Geyer, 2008; Lechien, 2020; Saniasiaya, 2020). 60-62

CSF (cerebrospinal fluid) leaks – For CSF rhinorrhea, —Sinus CT is indicated when looking to characterize a bony defect. For CSF otorrhea, —Temporal Bone CT is indicated. For intermittent leaks and complex cases, consider CT/MRI/Nuclear Cisternography. CSF fluid should always be confirmed with laboratory testing (i.e., Beta-2 transferrin assay). 63, 64

<u>Trigeminal Neuralgia: – According to the International Headache Society, TN is defined as "a disorder characterized by recurrent unilateral brief electric shock-like pain, abrupt in onset and termination, limited to the distribution of one or more divisions of the trigeminal nerve and triggered by innocuous stimuli."⁶⁵</u>

POLICY HISTORY

Date POLICY HISTORY	Summary		
March 2022	Updated references		
	Combo statement? Added New Combo statement		
	Orbit		
	• Clarified:		
	Optic neuritis		
	 If atypical presentation (bilateral, absence of pain, 		
	optic nerve hemorrhages, severe visual		
	impairment, lack of response to steroids, poor		
	recovery or recurrence)		
	If needed to confirm optic neuritis and rule out		
	compressive lesions (combo section)		
	 Complex strabismus syndromes (with ophthalmoplegia or 		
	ophthalmoparesis)		
	Sinus		
	• Re-ordered indications		
	Reformatted and updated backgrounds		
	• Clarified:		
	O Abscess		
	Facial trauma - Concern for soft tissue injury to further		
	evaluate for treatment or surgical planning		
	• Deleted:		
	 Physical findings of direct facial bone injury 		
	Neck Reformatted indications		
	Added:		
	 Added: Mass or abnormality found on other imaging study and 		
	needing further evaluation		
	Clarified		
	Non thyroid masses		
	 Thyroid imaging 		
	Abscess		
May 2021	Updated References		
	Reordered Indications		
	Added hyperlinks to OTHER indications		
	Orbit		
	Added:		
	 Complex strabismus to aid in diagnosis, treatment and/or surgical 		
	planning		
	k		

If needed to confirm optic neuritis and rule out compressive lesions

Clarified:

- Documented visual defect if MRI is contraindicated or cannot be performed - Unilateral or with abnormal optic disc(s) (i.e. Optic disc blurring, edema, or pallor);
- Clinical Suspicion of osteomyelitis: Direct visualization of bony deformity OR Abnormal X-rays
- Optic neuropathy or unilateral optic disk swelling of unclear etiology (Combo Orbit/Brain CT)

Sinus/Face

Added:

- Facial Trauma- For further evaluation of a known fracture for treatment or surgical planning
- Dysosmia

Clarified:

- Sinonasal obstruction, suspected mass, based on exam, nasal endoscopy, or prior imaging
- Note: CSF (cerebrospinal fluid) rhinorrhea Sinus CT is indicated when looking to characterize a bony defect. CSF otorrhea -Temporal Bone CT is indicated. For intermittent leaks and complex cases consider CT/MRI/Nuclear Cisternography). CSF fluid should always be confirmed with laboratory testing (Beta-2 transferrin assay)

Deleted:

• Trigeminal neuralgia – if Age < 40

Neck

Added:

- Neck Mass or *lymphadenopathy* (non-parotid region or thyroid)
- Unexplained ear pain when ordered by a specialist with all the following (Earwood, 2018)
 - Otoscopic exam, nasolaryngoscopy, lab evaluation (ESR, CBC) AND
 - Risk factor for malignancy ie tobacco use, alcohol use, dysphagia, weight loss OR age older than 50 years

 Brachial Plexopathy (Vijayasarathi, 2016) if mechanism of injury or EMG/NCV studies are suggestive

Note: Chest MRI is preferred study, but neck and/or shoulder (upper extremity) MRI can be ordered depending on the suspected location of injury

Αll

 Removed statement: A single authorization for CPT code 70540, 70542, or 70543 includes imaging of the Orbit, Face, Sinuses, and Neck. Multiple authorizations are not required

May 2020

Clarified:

Orbit

- Ophthalmoplegia with concern for orbital pathology
- Documented visual field defect if MRI is contraindicated or cannot be performed
- Orbital or ocular mass/tumor, suspected or known
- Clinical Suspicion of **orbital** infection
- Clinical Suspicion of Orbital Inflammatory Disease (e.g., eye pain and restricted eye movement with suspected orbital pseudotumor)

Face/Sinus

- Suspected infection
 - Osteomyelitis (after x-rays)
 - Abscess
- Facial Trauma
 - Post traumatic CSF rhinorrhea (for CSF otorrhea Temporal Bone imaging is recommended)
- Anosmia on objective testing that is persistent and of unknown origin (also in Brain and Sinus combo section)

Neck

- Neck mass (non-parotid or thyroid)
 - Note: For discrete cystic lesions of the neck, an ultrasound should be performed as initial imaging unless there is a high suspicion of malignancy
- MR Sialography to evaluate salivary ducts
- Objective cranial nerve palsy (CN IX-XII) (for evaluation of the extracranial nerve course) (also in Brain and Neck combo section)

Combo - Brain and Orbit

 Reworded: Unilateral optic disk swelling/optic neuropathy of unclear etiology to distinguish between a compressive lesion of the optic nerve, optic neuritis, ischemic optic neuropathy (arteritic or non-arteritic), central retinal vein occlusion or optic nerve infiltrative disorders

• Bilateral **optic disk swelling** (papilledema) with vision loss

Added:

Orbit

- MRI is superior for the evaluation of the visual pathways, globe and soft tissues, CT is preferred for visualizing bony detail and calcifications
- Unilateral optic disk swelling
- Under documented visual field defect
 - Unilateral or with optic disc abnormality
- Congenital orbital anomalies

Added:

Face/Sinus

- Examples of orbital or intracranial complications
 - o Preseptal, orbital, or central nervous system infection
 - Osteomyelitis
 - Cavernous sinus thrombosis
- Face mass
 - Known or highly suspected head and neck cancer on examination
- Trigeminal neuralgia/neuropathy (for evaluation of the extracranial nerve course)
 - If < 40 years of age or atypical features (e.g. bilateral, hearing loss, dizziness/vertigo, visual changes, sensory loss, numbness, pain > 2min, pain outside trigeminal nerve distribution, progression)

Added:

Neck

- Suspicious mass/tumor found on another imaging study and needing clarification
- Under increased risk for malignancy
 - History of cancer
 - Mass present ≥ two weeks (or uncertain duration) without significant fluctuation and not considered of infectious cause
- Neck Mass (parotid)
 - Parotid mass found on other imaging study and needing further evaluation

Added:

Neck

- Neck Mass (thyroid) US is the initial imaging study of a thyroid region mass. CT is preferred over MRI in the evaluation of thyroid masses since there is less respiratory motion artifact
 - Staging and monitoring for recurrence of known thyroid cancer
 - To assess extent of thyroid tissue when other imaging suggests extension through the thoracic inlet into the mediastinum or concern for airway compression (Lin, 2016; Gharib 2016)

NOTE: Chest CT may be included for preoperative assessment in some cases

- Pediatric patients (≤18 years old)
 - Neck masses in the pediatric population if ultrasound is inconclusive or suspicious
 - History of malignancy

Added:

Neck

 Known or suspected deep space infections or abscesses of the pharynx or neck

Combo

- Known tumor or cancer of skull base, orbits, sinuses, face, tongue, larynx, nasopharynx, pharynx, or salivary glands
 - Surveillance appropriate for tumor type and stage
- For approved indications as noted above and being performed in a child under 8 years of age who will need anesthesia for the procedure and there is a suspicion of concurrent intracranial pathology

Added:

Combo

- Added sub Combo sections
 - o Brain and Orbit
 - Optic Neuritis if atypical presentation, severe visual impairment or poor recovery following initial onset or treatment onset
 - Brain and Sinus
 - Brain and Neck

Deleted:

Orbit

 Unilateral optic disk swelling papilledema approve dedicated Orbits MRI even if Brain MRI approved

Deleted:

Face/Sinus

- Clinical Suspicion of osteomyelitis
 - o Direct visualization of lesion over bone
 - Abnormal x-ray
- Face Mass
 - Prior history of tumor with suspicion of recurrence
- Facial trauma
 - Suspected orbital trauma with indeterminate x-ray or ultrasound

Neck

- Palpable from Palpable suspicious lesions in mouth or throat
- Salivary gland stones or clinical concern for abscess
- Thoracic Outlet Syndrome

Combo

- Trigeminal neuralgia
- Cranial neuropathy (weakness or sensory abnormalities of the head and neck

July 2019

ORBIT MRI:

- Removed: Orbital asymmetry and Suspected hyperthyroidism (such as Graves' disease)
- Added: Clinical suspicion of osteomyelitis

Face/Sinus MRI

- Added specifics to Face Mass:
 - Present on physical exam and remains non-diagnostic after x-ray or ultrasound is completed (Kuno, 2014)
 - Clinical concern for abscess
 - Failed 2 weeks of treatment for suspected infectious adenopathy (Haynes, 2015).
 - Prior history of tumor with suspicion of recurrence
- Added: Facial trauma with physical findings of direct facial bone injury; suspected orbital trauma w/indeterminate x-ray or US; CSF leak (rhinorrhea or otorrhea)

Other Indications

 Added: Suspected recurrence or new metastases based on symptoms or examination findings with new mass or change in lymph nodes; Anosmia on objective testing; Trigeminal neuralgia if <40 years of age or atypical features; Objective cranial nerve palsy; and Granulomatosis with polyangiitis (Wegener's granulomatosis) disease

Indications for combo studies orbit/face/sinus neck MRI with brain MRI

•	Added: Bilateral papilledema with vision loss AND Known or
	suspected neuromyelitis optica spectrum disorder with severe,
	recurrent, or bilateral optic neuritis

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GENERAL INFORMATION-

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