Gastric MALT Posttherapy Follow-up Algorithm

Posttherapy Biopsy

Order PATHC / Pathology Consultation

Known MALT1 rearrangement

Perform the following immunostains: H&E, CD3, CD20, Pax5, H pylori, USS for FISH and other stains as needed

B cells present, diagnostic for recurrent/residual MALT lymphoma

B cells present, equivocal for recurrent/residual MALT lymphoma

No B cells present but not diagnostic. Favor reactive

Few B cells present but not diagnostic. Favor reactive

B cells present but not diagnostic. Suspicious for MALT lymphoma

Diagnostic for recurrent/residual MALT lymphoma

Negative for known MALT1 rearrangement

Perform the following immunostains: H&E, CD3, CD20, Pax5, H pylori, and other stains as needed

Perform BCGRV / Immunoglobulin Gene Rearrangement, Varies as needed

Perform MALT1 breakapart FISH (BLYMF / B-Cell Lymphoma, FISH, Tissue)

MALT1 FISH positive

MALT1 FISH negative

Diagnostic for recurrent/residual MALT lymphoma

Negative for residual MALT lymphoma

Unknown MALT1 status

Perform the following immunostains: H&E, CD3, CD20, Pax5, H pylori, USS for FISH, and other stains as needed

Perform BCGRV / Immunoglobulin Gene Rearrangement, Varies as needed

Negative for residual MALT lymphoma

Perfor the following immunostains: H&E, CD3, CD20, Pax5, H pylori, USS for FISH, and other stains as needed

Perform MALT1 breakapart FISH (BLYMF / B-Cell Lymphoma, FISH, Tissue)

MALT lymphoma: MALT1 rearrangement positive

MALT lymphoma: MALT1 rearrangement negative

B cells present but not diagnostic. Suspicious for lymphoma

B cells present but not diagnostic. Favor reactive

Negative for recurrent/residual MALT lymphoma

Diagnostic for MALT lymphoma

MALT=Mucosa-associated lymphoid tissue
H&E=Hematoxylin and eosin
H pylori=Helicobacter pylori

Reviewed 09/2018