

Figure 1. Clinical decision support tool for pharmacological management of **adult outpatients with moderate to severe luminal Crohn's disease.**

Moderate to luminal Crohn's disease defined as:

- CDAI score of 220 or higher
- High risk of adverse disease-related complications including surgery, hospitalization, and disability based on a combination of structural damage, inflammatory burden, and impact of quality of life

For Induction and maintenance of remission:
Recommends any of the following over no treatment:
infliximab, adalimumab, certolizumab pegol (Strong recommendation, moderate quality of evidence for ifx/ada and low quality for certolizumab pegol)
vedolizumab (Conditional recommendation, low quality of evidence for induction, moderate quality of evidence for maintenance)
ustekinumab (Strong recommendation, moderate quality of evidence)
Suggests AGAINST the use of natalizumab over no treatment (Strong recommendation, moderate quality of evidence)*

Biologic-naïve patients; first-line therapy

Suggest using infliximab, adalimumab or ustekinumab rather than certolizumab pegol for induction of remission (Strong recommendation, moderate quality of evidence)
Suggest using vedolizumab rather than certolizumab pegol for induction of remission (Conditional recommendation, low quality of evidence)

Prior failure of infliximab, particularly primary non-response

Suggest using ustekinumab for induction of remission (Strong recommendation, moderate quality of evidence)
Suggests using vedolizumab for induction of remission (Conditional recommendation, low quality of evidence)

Prior failure of infliximab, particularly secondary non-response

Recommends using adalimumab or ustekinumab for induction of remission (Strong recommendation, moderate quality of evidence)
Suggests using vedolizumab for induction of remission (Conditional recommendation, low quality of evidence)
Comment: if adalimumab was the first line drug utilized there is indirect evidence to suggest using infliximab as a second line agent

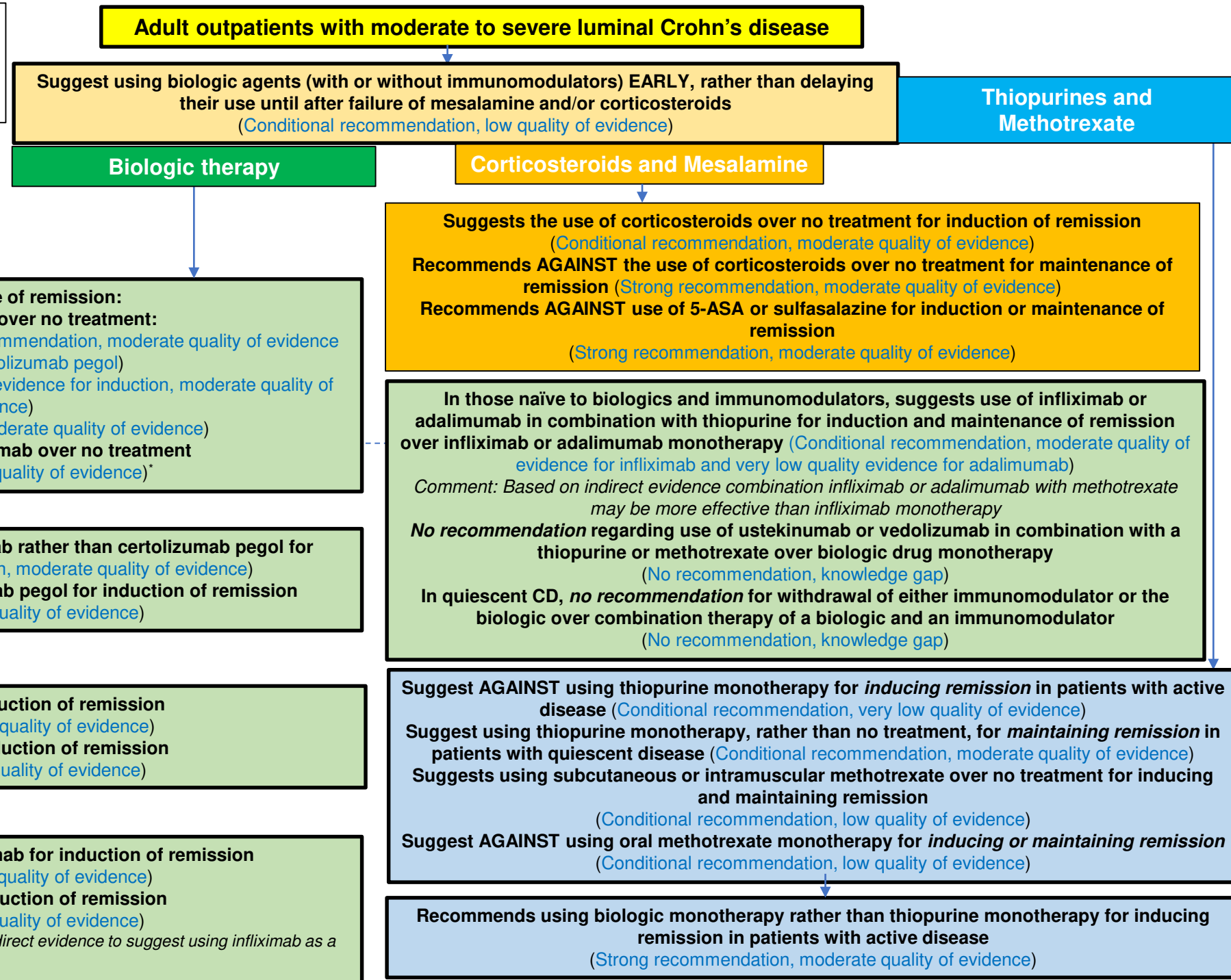


Figure 2. Clinical decision support tool for pharmacological management of **adult outpatients with fistulizing Crohn’s disease**.

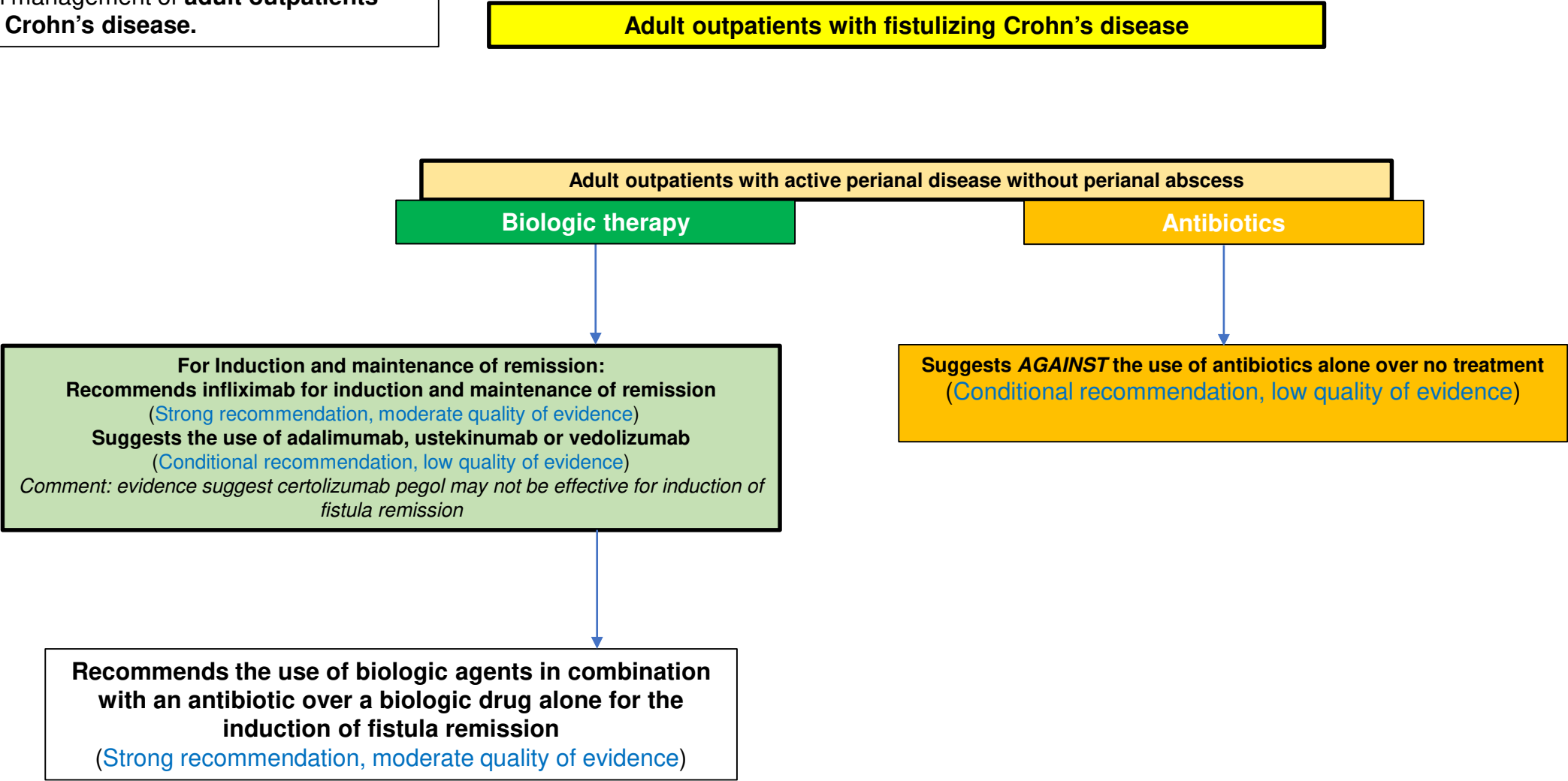


Figure 1: * Comment: Given evidence of harm in post marketing data from progressive multifocal leukoencephalopathy (PML) and the availability of other drugs, the AGA suggests against the use of natalizumab. Patients who are JC virus antibody negative who put a high value on the potential benefits and lower value on PML risk and who will adhere to ongoing monitoring for JC virus positivity, may consider using natalizumab