

Guidance Related to the Use and Timing of Vaccination and Immunomodulatory Therapies
in Relation to COVID-19 Vaccination Administration in RMD Patients*

Medication	Timing Considerations for Immunomodulatory Therapy & Vaccination
Hydroxychloroquine IVIG Glucocorticoids Prednisone-equivalent dose <20mg/day Sulfasalazine Leflunomide Mycophenolate Azathioprine Cyclophosphamide (oral) TNFi; IL-6R; IL-1; IL-17; IL-12/23; IL-23 Belimumab Oral calcineurin inhibitors Glucocorticoids, prednisone-equivalent dose \geq 20mg/day**	<ul style="list-style-type: none"> ● No modifications to either immunomodulatory therapy or vaccination timing
Methotrexate	<ul style="list-style-type: none"> ● Hold MTX 1 week after each vaccine dose for those with wellcontrolled disease ● No modifications to vaccination timing
JAKI	<ul style="list-style-type: none"> ● Hold JAKI for 1 week after each vaccine dose ● No modification to vaccination timing
Abatacept SQ	<ul style="list-style-type: none"> ● Hold SQ abatacept both one week prior to ● And one week after the first COVID-19 vaccine dose (only) ● No interruption around the second vaccine dose
Abatacept IV	<ul style="list-style-type: none"> ● Time vaccine administration so that the first vaccination will occur <ul style="list-style-type: none"> ● four weeks after abatacept infusion (i.e., the entire dosing interval) ● And postpone the subsequent abatacept infusion by one week (i.e., a 5-week gap in total) ● No medication adjustment for the second vaccine dose
Cyclophosphamide IV	<ul style="list-style-type: none"> ● Time CYC administration so that it will occur <ul style="list-style-type: none"> ● approximately 1 week after each vaccine dose, when feasible
Rituximab	<ul style="list-style-type: none"> ● Assuming that patient's COVID-19 risk is low ● Or is able to be mitigated by preventive health measures (e.g., self-isolation) ● Schedule vaccination so that the vaccine series is <ul style="list-style-type: none"> ● initiated approximately 4 weeks prior to next scheduled rituximab cycle ● After vaccination, delay RTX 2-4 weeks after 2nd vaccine dose, if disease activity allows