

**Supplemental Figure 1** Remission induction protocol used in ANCA vasculitis patients prior to rituximab maintenance therapy who received induction therapy at Massachusetts General Hospital.

## **1. CYCLOPHOSPHAMIDE**

4 mg/kg PO daily x 1 week\*

2 mg/kg PO daily x 7 weeks

CrCl 40-60 cc/min (reduce dose by 25%)

CrCl 20-39 cc/min (reduce dose by 33%)

CrCl <20 cc/min (reduce dose by 50%)

NOTE: PO:IV equivalency (IV if non-compliant)

\* use 2 mg/kg PO daily x 8 weeks IF 1) on rituxan and 2) non-organ-threatening disease as defined in #4 below.

## **2. PREDNISONE**

1000 mg IV daily x 3 days

60 mg PO Q12h x 4 days

60 mg PO daily x 1 week

40 mg PO daily x 1 week

30 mg PO daily x 1 week

20 mg PO daily x 1 week

15 mg PO daily x 1 month

12.5 mg PO daily x 1 month

10 mg PO daily x 1 month

7.5 mg PO daily x 1 month

5.0 mg PO daily x 1 month

2.5 mg PO daily x 1 month

2.5 mg PO every other day x 1 month

**3. RITUXIMAB:** DOSE 1: 1 gram IV x 1 during week 1, DOSE 2: 1 gram IV x 1 within three weeks after DOSE 1

- 1 gram IV x 1 Q4 months after DOSE 2 x 2 years thereafter followed by Q6 months (hold if IgG < ½ lower limit of normal)

**4. PLASMA EXCHANGE:** performed if severe renal and/or pulmonary involvement (7 exchanges over 10-12 days)

- severe involvement defined as Cr > 5 and/or dialysis-dependence for no more than 2 weeks and/or alveolar hemorrhage

- NOTE: also performed for 2.5-fold increase in ANCA titer and/or doubling of serum creatinine within one week of presentation