



**BRAINWORKS**  
The International Inflammatory  
Brain Disease Outcome Study

# **Undefined Inflammatory Brain Disease Treatment Protocols**

Last updated December 2014

# BrainWorks IBrainD Protocol

**Inflammatory brain disease**, no brain biopsy

Low risk presentation - Treat for 3 months



**Optional:  
IV Methylprednisolone  
pulses**

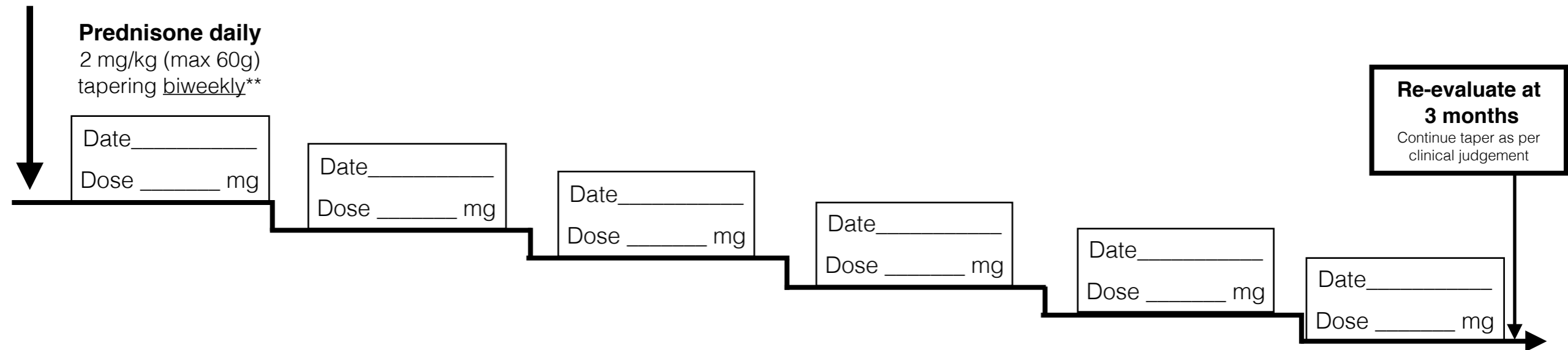
30mg/kg (max 1g)

x \_\_\_\_\_ days (3-7)

**Prednisone daily**

2 mg/kg (max 60g)

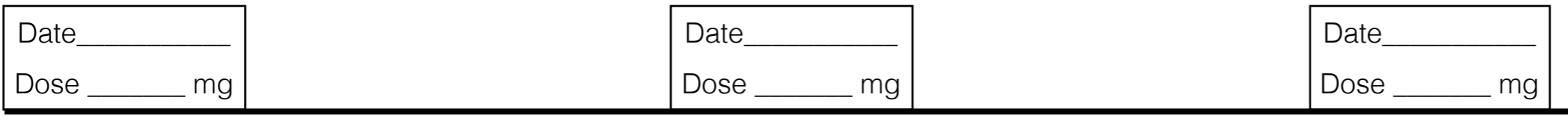
tapering biweekly\*\*



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**IVIg** (2g/kg, max 70g, monthly)



**Calcium** (1000 mg/day PO)



**Vitamin D** (1000 IU/day PO)



\*\* Example prednisone taper schedule: 60 mg/day, 50, 40, 30, 25, 20, 17.5, 15, 12.5, 10, 7.5, 5, 2.5, stop

# BrainWorks IBrainD Protocol

**Inflammatory brain disease**, no brain biopsy  
Intermediate risk presentation\* - Treat for 6 months

**Choose combination as clinically appropriate:**

**Steroids**

**IV Methylprednisolone pulses**

30mg/kg (max 1g)

x \_\_\_\_\_ days (3-7)

Start date \_\_\_\_\_



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**Prednisone PO daily**

2 mg/kg (max 60g)

tapering monthly\*\*

Start date \_\_\_\_\_

Dose \_\_\_\_\_ mg

Start date \_\_\_\_\_

Dose \_\_\_\_\_ mg

Start date \_\_\_\_\_

Dose \_\_\_\_\_ mg

Start date \_\_\_\_\_

Dose \_\_\_\_\_ mg

Start date \_\_\_\_\_

Dose \_\_\_\_\_ mg

Start date \_\_\_\_\_

Dose \_\_\_\_\_ mg

Start date \_\_\_\_\_

Dose \_\_\_\_\_ mg

**IVIg** (2g/kg, max 70g)

Date \_\_\_\_\_

Dose \_\_\_\_\_ mg

Date \_\_\_\_\_

Dose \_\_\_\_\_ mg

Date \_\_\_\_\_

Dose \_\_\_\_\_ mg

Date \_\_\_\_\_

Dose \_\_\_\_\_ mg

Date \_\_\_\_\_

Dose \_\_\_\_\_ mg

Date \_\_\_\_\_

Dose \_\_\_\_\_ mg

**Mycophenolate mofetil** (800-1200 mg/m<sup>2</sup> divided BID) Dose: \_\_\_\_\_ Stop date \_\_\_\_\_

or

**Mycophenolic acid** (500-800 mg/m<sup>2</sup> divided BID) Dose: \_\_\_\_\_ Stop date \_\_\_\_\_

**Calcium** (1000 mg/day PO)

**Vitamin D** (1000 IU/day PO)

\* Intermediate risk defined as: patient presents with seizures/status epilepticus OR with functional deficits (i.e. Pediatric Stroke Outcome Measure [PSOM] score  $\geq$  1.0)

\*\* Example prednisone taper schedule: 60 mg/day, 50, 40, 30, 25, 20, 17.5, 15, 12.5, 10, 7.5, 5, 2.5, stop

# BrainWorks IBrainD Protocol

**Inflammatory brain disease**, no brain biopsy

High risk\* - Phase 1: Induction Therapy (0 - 6 months)



**IV Methylprednisolone pulses**

30mg/kg (max 1g)  
x \_\_\_\_\_ days (3-7)

Start date \_\_\_\_\_



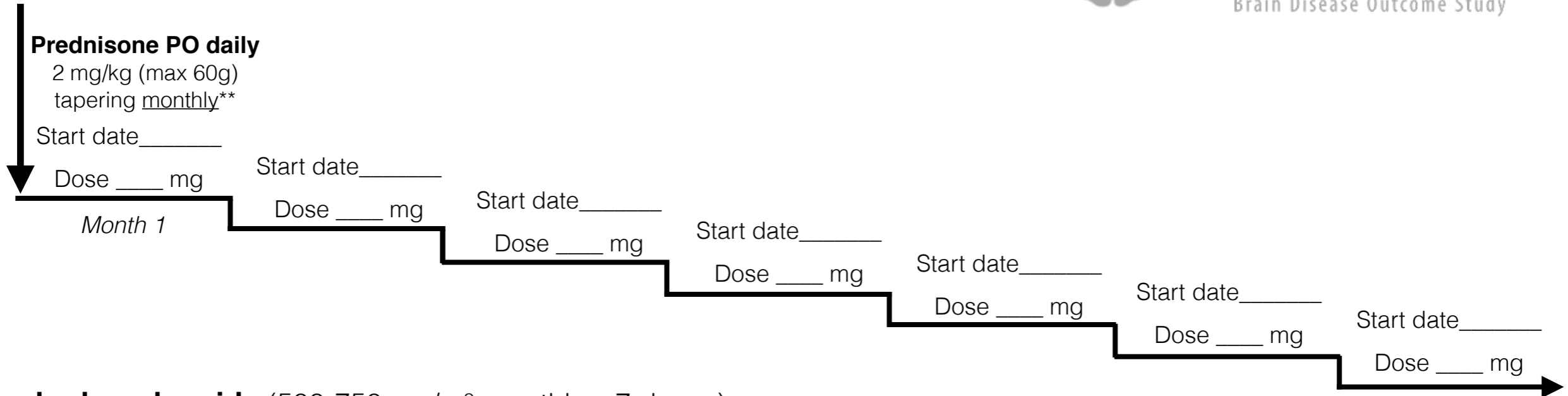
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**Prednisone PO daily**

2 mg/kg (max 60g)  
tapering monthly\*\*

Start date \_\_\_\_\_



**Cyclophosphamide** (500-750 mg/m<sup>2</sup> monthly x 7 doses)

Date _____	Date _____	Date _____	Date _____	Date _____	Date _____	Date _____
Dose _____ mg	Dose _____ mg	Dose _____ mg	Dose _____ mg	Dose _____ mg	Dose _____ mg	Dose _____ mg

**Trimethoprim/sulfamethoxazole** (PJP prophylaxis dosing)

**Calcium** (1000 mg/day PO)

**Vitamin D** (1000 IU/day PO)

\* High risk defined as brain biopsy positive disease

\*\* Example prednisone taper schedule: 60 mg/day, 50, 40, 30, 25, 20, 17.5, 15, 12.5, 10, 7.5, 5, 2.5, stop

# BrainWorks IBrainD Protocol

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High risk\* - Phase 2: Maintenance Therapy (6 -18 months)



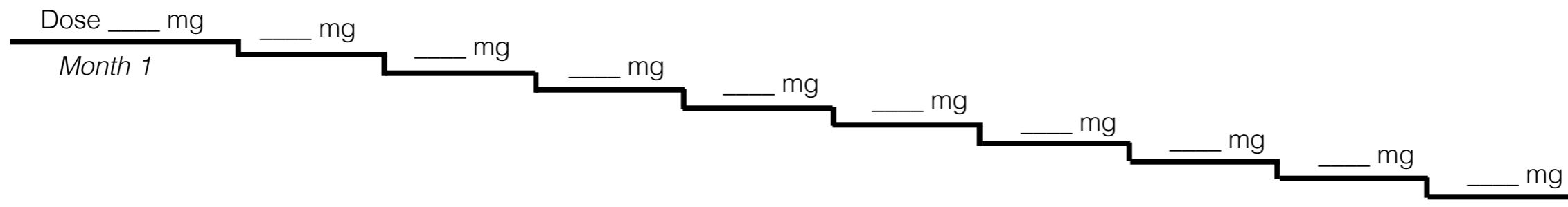
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**Prednisone PO daily**

Tapering monthly\*\*

Start date \_\_\_\_\_



Choose:

Stop date \_\_\_\_\_

**Mycophenolate mofetil** (800-1200 mg/m<sup>2</sup> divided BID) Dose: \_\_\_\_\_

Stop date \_\_\_\_\_

*or*

**Mycophenolic acid** (500-800 mg/m<sup>2</sup> divided BID) Dose: \_\_\_\_\_

Stop date \_\_\_\_\_

*or*

**Azathioprine** (2-3 mg/kg, max 150 mg, PO daily) Dose: \_\_\_\_\_

Stop date \_\_\_\_\_

**Calcium** (1000 mg/day PO)

**Vitamin D** (1000 IU/day PO)

\* High risk defined as brain biopsy positive disease

\*\* Example prednisone taper schedule: 60 mg/day, 50, 40, 30, 25, 20, 17.5, 15, 12.5, 10, 7.5, 5, 2.5, stop