



**BRAINWORKS**

The International Inflammatory  
Brain Disease Outcome Study

# **Undefined Inflammatory Brain Disease Treatment Protocols**

Last updated July 2022

# BrainWorks IBrainD Protocol

Inflammatory brain disease, no brain biopsy

Low risk presentation - Treat for 3 months



## BRAINWORKS

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**IV Methylprednisolone pulses** (optional)

30 mg/kg (max 1 g)

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

Start date DD/MM/YY

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

### Prednisone daily

2 mg/kg (max 60 mg) tapering every 2 weeks

(e.g. 60 mg/day, 50, 40, 30, 25, 20, 17.5, 15, 12.5, 10, 7.5, 5, 2.5, stop)

Date DD/MM/YY

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

Date DD/MM/YY

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

Date DD/MM/YY

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

Date DD/MM/YY

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

Date DD/MM/YY

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

Date DD/MM/YY

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

**Re-evaluate at  
3 months**

Continue taper as per  
clinical judgement

### IVIG (2 g/kg, max 70 g, monthly)

Date DD/MM/YY

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

Date DD/MM/YY

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

Date DD/MM/YY

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

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

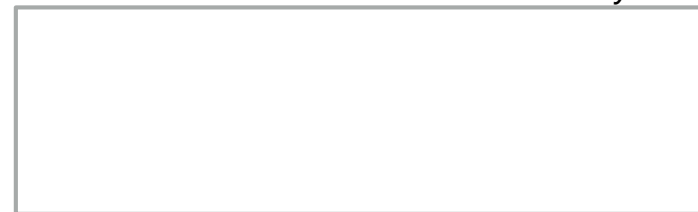
**Vitamin D** (1000 IU/day PO)

# BrainWorks IBrainD Protocol

**Inflammatory brain disease**, no brain biopsy

Intermediate risk presentation\* - Treat for 6 months

**Choose combination as clinically appropriate:**



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### IV Methylprednisolone pulses

30 mg/kg (max 1 g)

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

Start date DD/MM/YY

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

### Prednisone PO daily

2 mg/kg (max 60 mg) tapering monthly

(e.g. 60 mg/day, 50, 40, 30, 25, 20, 17.5, 15, 12.5, 10, 7.5, 5, 2.5, stop)

Start date DD/MM/YY

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

Start date DD/MM/YY

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

Start date DD/MM/YY

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

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

Date <u>DD/MM/YY</u>	Date <u>DD/MM/YY</u>	Date <u>DD/MM/YY</u>	Date <u>DD/MM/YY</u>	Date <u>DD/MM/YY</u>	Date <u>DD/MM/YY</u>
Dose _____ g	Dose _____ g	Dose _____ g	Dose _____ g	Dose _____ g	Dose _____ g

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

or

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

**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 ≥ 1.0)

# BrainWorks IBrainD Protocol

Inflammatory brain disease, no brain biopsy

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



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## IV Methylprednisolone pulses

30 mg/kg (max 1 g)

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

Start date DD/MM/YY

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

## Prednisone PO daily

2 mg/kg (max 60 mg) tapering monthly

(e.g. 60 mg/day, 50, 40, 30, 25, 20, 17.5, 15, 12.5, 10, 7.5, 5, 2.5, stop)

Start date DD/MM/YY

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

Start date DD/MM/YY

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

Start date DD/MM/YY

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

Start date DD/MM/YY

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

Start date DD/MM/YY

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

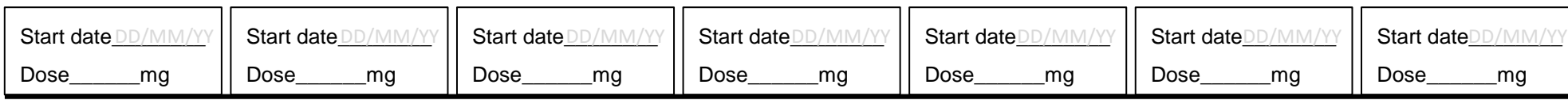
Start date DD/MM/YY

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

Start date DD/MM/YY

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

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



## Trimethoprim/sulfamethoxazole (PJP prophylaxis dosing)



## Calcium (1000 mg/day PO)



## Vitamin D (1000 IU/day PO)

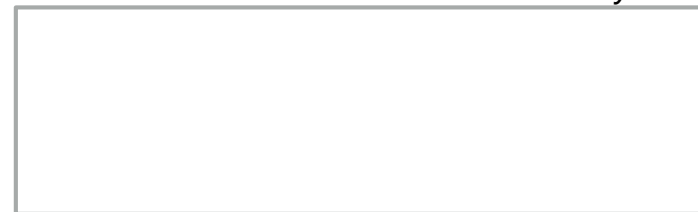


\* High risk defined as: brain biopsy positive disease

# BrainWorks IBrainD Protocol

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



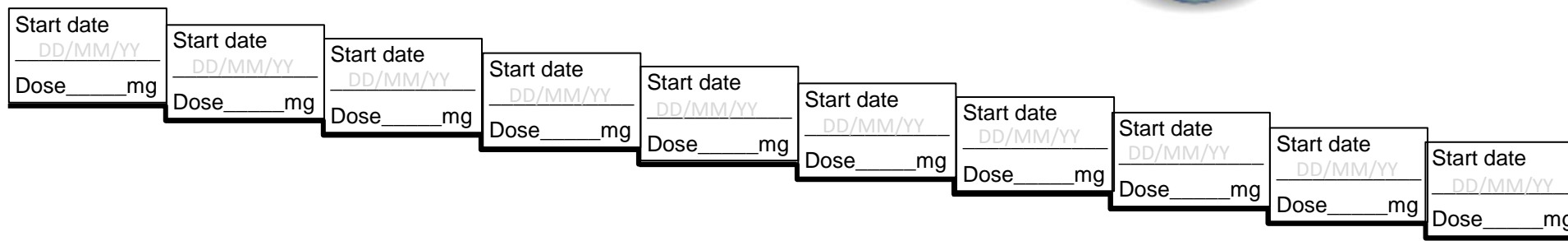
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**Prednisone PO daily**

2 mg/kg (max 60 mg) tapering monthly

(e.g. 60 mg/day, 50, 40, 30, 25, 20, 17.5, 15, 12.5, 10, 7.5, 5, 2.5, stop)



Stop date DD/MM/YY

Choose:

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

or

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

or

**Azathioprine** (2-3 mg/kg, max 150 mg, PO daily) Dose: \_\_\_\_\_ mg Stop date DD/MM/YY

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

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

\* High risk defined as: brain biopsy positive disease