SUPPLEMENTAL MATERIAL

Supplementary figure 1: Immunoglobulin levels in the mothers’ serum
Supplementary figure 2: Immunoglobulin levels in the infants’ serum
Supplementary table: Previous disease-modifying treatments, prior to rituximab
Supplementary figure 1: Immunoglobulin levels in the mothers’ serum

Reference ranges for serum immunoglobulin for adults:

IgG: 6.0–15.3 g/L

IgA: 0.8–4.0 g/L

IgM: 0.3–2.3 g/L

The levels are within the reference ranges, except from the three first IgG values of the serum samples taken of mother number four: on day 0, 2 and 8. They were 5.23, 5.58 and 5.58 g/L, thus not far from the lower range of 6 g/L.
Supplementary figure 2: Immunoglobulin levels in the infants’ serum

**Age-related reference ranges used for immunoglobulins at HUS:**

**IgG**
- 0–30 days: 6–13 g/L
- 30–90 days: 2.1–9.4 g/L
- 90–180 days: 1.7–8.5 g/L

The IgG levels are high in the newborn period, but decrease until their sixth month of life.¹

**IgA**
- 0–30 days: 0–0.1 g/L
- 30–90 days: 0–0.6 g/L
- 90–180 days: 0–0.85 g/L

Note: The IgA levels <0.25 g/L are here marked as 0.25 g/L.

**IgM**
- 0–30 days: 0–0.1 g/L
- 30–90 days: 0.1–1.1 g/L
- 90–180 days: 0.1–1.2 g/L

IgM levels are within the ranges, except for the high IgM levels in infant number 3.
**Supplemental table 1: Disease-modifying treatments prior to rituximab**

| Patient | Treatment                                                        |
|---------|------------------------------------------------------------------|
| Patient 1 | Interferon beta-1b, fingolimod, dimethyl fumarat and alemtuzumab |
| Patient 2 | Fingolimod, natalizumab and dimethyl fumarat                    |
| Patient 3 | None.                                                            |
| Patient 4 | Interferon beta-1a, glitrameracetat and dimethyl fumarat        |
| Patient 5 | Dimethyl fumarat                                                 |
| Patient 6 | Interferon beta-1b and natalizumab                              |

**References**

1. Bayram RO, Özdemir H, Emsen A, et al. Reference ranges for serum immunoglobulin (IgG, IgA, and IgM) and IgG subclass levels in healthy children. *Turk J Med Sci* 2019;49(2):497-505. doi: 10.3906/sag-1807-282 [published Online First: 2019/04/19]