Supplementary table 1. Patient follow-up data

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| number | gender | length-for-age (cm/days) | | | head circumference-for-age (cm/days) | | | weight-for-age (Kg/days) | | |
| preoperative | 1 month  after G-POEM | 3 months  after G-POEM | preoperative | 1 month  after G-POEM | 3 months  after G-POEM | preoperative | 1 month  after G-POEM | 3 months  after G-POEM |
| 1 | male | 58/84 | 61/115 | 66/175 | 39/84 | 40.9/115 | 42.3/175 | 4.5/84 | 5.5/115 | 8/175 |
| 2 | male | 57/69 | 60/101 | 65/161 | 38.5/69 | 40.5/101 | 43.2/161 | 4.5/69 | 5.5/101 | 7.5/161 |
| 3 | female | 53/40 | 55/72 | 62/132 | 37/40 | 38/72 | 41.5/132 | 3.4/40 | 5/72 | 6/132 |
| 4 | male | 53/27 | 57/60 | 63/128 | 38/27 | 39.7/60 | 41.3/128 | 3.9/27 | 5/60 | 7/128 |
| 5 | male | 60/130 | 64/163 | 68/223 | 40/130 | 41.5/163 | 43.5/223 | 4.5/130 | 5.5/163 | 8/223 |
| 6 | male | 54/33 | 58/64 | 65/125 | 38/33 | 39.5/64 | 42.5/125 | 4/33 | 4.4/64 | 7.5/125 |
| 7 | male | 56/54 | 60/86 | 65/146 | 38.5/54 | 39.8/86 | 42.3/146 | 5/54 | 7/86 | 8/146 |
| 8 | male | 55/58 | 59/102 | 64/162 | 39/58 | 40/102 | 42.5/162 | 4/58 | 5/102 | 7.4/162 |
| 9 | male | 56/41 | 60/72 | 64/132 | 39/41 | 40.5/72 | 43/132 | 4/41 | 4/72 | 6.6/132 |
| 10 | male | 60/58 | 64/91 | 68/151 | 39.2/58 | 40.5/91 | 43.2/151 | 5.2/58 | 5.5/91 | 7.6/151 |
| 11 | male | 53.5/31 | 57/63 | 62/123 | 38/31 | 40/63 | 42.5/123 | 3.6/31 | 4.6/63 | 6.6/123 |
| 12 | male | 55/49 | 59.5/81 | 66.5/141 | 39/49 | 40.6/81 | 42/141 | 3.75/49 | 4.8/81 | 7.0/141 |
| 13 | male | 61/64 | 62/98 | 68/158 | 38/64 | 39.5/98 | 42.5/158 | 5.2/64 | 6.5/98 | 7.8/158 |
| 14 | male | 60/76 | 62.6/114 | 67/174 | 39.5/76 | 41/114 | 43.5/174 | 4.6/76 | 5.7/114 | 7.4/174 |
| 15 | male | 51/24 | 56/59 | 62/119 | 37/24 | 39/59 | 42/119 | 3.4/24 | 4.6/59 | 6.6/119 |
| 16 | male | 56/35 | 59/74 | 64.5/132 | 37.3/35 | 39.5/74 | 41.8/132 | 5.35/35 | 6/74 | 7.8/132 |
| 17 | male | 57/56 | 60.5/99 | 67/170 | 38/56 | 39.5/99 | 41.3/170 | 4.5/56 | 5.1/99 | 7.2/170 |
| 18 | male | 59.5/70 | 63.5/101 | 68.5/161 | 39.8/70 | 41.6/101 | 43.3/161 | 3/70 | 4.5/101 | 7.1/161 |
| 19 | male | 57/55 | 61/87 | 66/148 | 38.5/55 | 40.2/87 | 42.5/148 | 4.94/55 | 6.9/87 | 8.5/148 |
| 20 | male | 59/83 | 63.5/115 | 68/180 | 39.3/83 | 41/115 | 43.5/180 | 6.13/83 | 6.8/115 | 8.0/180 |
| 21 | male | 55.5/47 | 59.5/80 | 64/80 | 38.5/47 | 40.2/80 | 42.6/80 | 5.3/47 | 6/80 | 7.8/140 |

Supplementary table 2. Patient follow-up at January 2022

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| --- | --- | --- | --- | --- | --- | --- |
| Number | Gender | Age(months) | length (cm) | | head circumference (cm) | weight (Kg) |
| 1 | male | 35.5 | 103 | 49 | | 17 |
| 2 | male | 33 | 95 | 48 | | 15 |
| 3 | female | 29 | 94 | 48 | | 13 |
| 4 | male | 28.5 | 100 | 51 | | 15.2 |
| 5 | male | 31 | 96 | 49 | | 11 |
| 6 | male | 27 | 96 | 50 | | 16 |
| 7 | male | 25.5 | 94 | 49 | | 15 |
| 8 | male | 19 | 86 | 46 | | 14 |
| 9 | male | 19 | 85 | 49 | | 12.5 |
| 10 | male | 14 | 84 | 47 | | 13 |
| 11 | male | 14 | 83 | 47 | | 12 |
| 12 | male | 14 | 82 | 46 | | 13 |
| 13 | male | 14 | 81 | 46 | | 11 |
| 14 | male | 14 | 83 | 46 | | 13 |
| 15 | male | 14 | 85 | 49 | | 12.5 |
| 16 | male | 35.5 | 104 | 49 | | 18 |
| 17 | male | 29 | 92 | 48 | | 14 |
| 18 | male | 36 | 102 | 49 | | 18 |
| 19 | male | 33 | 99 | 48 | | 16 |
| 20 | male | 24 | 92 | 49 | | 15 |
| 21 | male | 23 | 93 | 49 | | 14 |