

On-line Table 1: Characteristics of very preterm infants^a

| Characteristics | Low-Grade IVH (n = 16) | Control Subjects (n = 13) | P Value (χ^2 Test) |
|--------------------------------------|------------------------|---------------------------|--------------------------|
| Sex (male/female) | 7:9 | 5:8 | |
| GA (wk) | 28.8 ± 5.3 | 29.6 ± 4.1 | .15 |
| Birth weight (g) | 1176.0 ± 466.5 | 1234.6 ± 190.9 | .40 |
| Antenatal steroids | 7 (43.7) | 8 (61.5) | .46 |
| Mechanical ventilation >7 days | 6 (37.5) | 7 (53.8) | .38 |
| Infection | 6 (37.5) | 3 (23.1) | .40 |
| Patent ductus arteriosus | 5 (31.2) | 2 (15.4) | .32 |
| Chronic lung disease | 3 (18.7) | 3 (23.1) | .77 |
| Postmenstrual age at MR imaging (wk) | 42.4 ± 2.3 | 42.8 ± 1.8 | .54 |
| Body weight at MR imaging (g) | 3603.1 ± 644.4 | 3762.0 ± 626.5 | .54 |

^aData are presented as means or No. (%).

On-line Table 2: Comparison of the area distributions of the left hemisphere Brodmann atlas (PALSBI2) regions between the control subjects and very preterm infants with low-grade IVH

| Brodmann Atlas (PALSBI2) Regions | Area (Left Hemisphere) | | | | | | P Value (Mann Whitney U Test) |
|----------------------------------|----------------------------------|---------------------------|----------------------------------|----------------------------------|---------------------------|----------------------------------|-------------------------------|
| | Control Subjects | | | IVH | | | |
| | Percentile 25 (mm ²) | Median (mm ²) | Percentile 75 (mm ²) | Percentile 25 (mm ²) | Median (mm ²) | Percentile 75 (mm ²) | |
| Brodmann 8 | 672.0 | 721.5 | 752.0 | 575.0 | 648.0 | 731.0 | .200 |
| Brodmann 6 | 1438.0 | 1711.5 | 2204.0 | 1301.0 | 1566.0 | 1675.0 | .139 |
| Brodmann 4 | 1387.0 | 1509.5 | 1751.5 | 1471.0 | 1586.0 | 1633.0 | 1.000 |
| Brodmann 9 | 875.5 | 966.5 | 1066.5 | 833.0 | 930.0 | 1086.0 | .943 |
| Brodmann 3 | 364.5 | 452.5 | 532.5 | 337.0 | 396.0 | 461.0 | .236 |
| Brodmann 1 | 468.0 | 560.0 | 742.5 | 428.0 | 505.0 | 578.0 | .103 |
| Brodmann 5 | 480.0 | 535.5 | 597.5 | 461.0 | 524.0 | 562.0 | .683 |
| Brodmann 7 | 1792.0 | 1992.0 | 2763.5 | 1507.0 | 1713.0 | 2024.0 | .067 |
| Brodmann 2 | 911.5 | 1008.0 | 1291.5 | 746.0 | 868.0 | 967.0 | .025 |
| Brodmann 31 | 421.5 | 456.0 | 607.5 | 465.0 | 518.0 | 589.0 | .373 |
| Brodmann 40 | 834.5 | 928.5 | 1075.5 | 699.0 | 794.0 | 921.0 | .041 |
| Brodmann 44 | 307.5 | 351.5 | 504.0 | 321.0 | 406.0 | 466.0 | .648 |
| Brodmann 45 | 159.0 | 206.5 | 255.0 | 147.0 | 179.0 | 214.0 | .373 |
| Brodmann 23 | 181.0 | 235.0 | 262.5 | 205.0 | 213.0 | 280.0 | .905 |
| Brodmann 39 | 844.5 | 899.0 | 1157.5 | 739.0 | 841.0 | 954.0 | .114 |
| Brodmann 43 | 170.0 | 212.0 | 223.0 | 172.0 | 190.0 | 224.0 | .829 |
| Brodmann 19 | 1980.0 | 2352.5 | 3146.0 | 1490.0 | 1839.0 | 2062.0 | .001 ^a |
| Brodmann 47 | 93.0 | 109.5 | 136.0 | 103.0 | 116.0 | 134.0 | .581 |
| Brodmann 41 | 216.5 | 260.0 | 291.5 | 244.0 | 250.0 | 316.0 | .648 |
| Brodmann 30 | 45.0 | 61.5 | 88.0 | 53.0 | 61.0 | 84.0 | .981 |
| Brodmann 22 | 1228.0 | 1640.0 | 1909.5 | 1279.0 | 1422.0 | 1652.0 | .427 |
| Brodmann 42 | 302.0 | 346.5 | 453.0 | 357.0 | 417.0 | 538.0 | .236 |
| Brodmann 21 | 539.5 | 634.0 | 718.0 | 458.0 | 547.0 | 595.0 | .067 |
| Brodmann 38 | 542.0 | 642.0 | 726.0 | 508.0 | 561.0 | 632.0 | .083 |
| Brodmann 37 | 857.0 | 917.0 | 1600.5 | 644.0 | 829.0 | 875.0 | .007 |
| Brodmann 20 | 755.5 | 868.5 | 963.0 | 734.0 | 818.0 | 854.0 | .152 |
| Brodmann 32 | 522.0 | 617.0 | 692.5 | 514.0 | 583.0 | 689.0 | .792 |
| Brodmann 24 | 626.0 | 740.5 | 792.5 | 617.0 | 710.0 | 747.0 | .456 |
| Brodmann 10 | 822.0 | 955.0 | 1010.5 | 761.0 | 952.0 | 1025.0 | .905 |
| Brodmann 25 | 70.0 | 106.0 | 117.0 | 77.0 | 98.0 | 105.0 | .719 |
| Brodmann 11 | 742.5 | 1021.5 | 1122.0 | 851.0 | 1040.0 | 1162.0 | .548 |
| Brodmann 46 | 479.0 | 594.5 | 697.5 | 500.0 | 572.0 | 630.0 | .981 |
| Brodmann 17 | 588.0 | 712.0 | 824.5 | 632.0 | 710.0 | 860.0 | .581 |
| Brodmann 18 | 1407.0 | 1718.0 | 2064.0 | 1332.0 | 1434.0 | 1787.0 | .486 |
| Brodmann 27 | 39.0 | 52.0 | 61.5 | 42.0 | 48.0 | 56.0 | .981 |
| Brodmann 36 | 174.5 | 210.0 | 239.5 | 185.0 | 216.0 | 253.0 | .829 |
| Brodmann 35 | 39.0 | 43.5 | 50.0 | 39.0 | 44.0 | 52.0 | .981 |
| Brodmann 28 | 105.5 | 128.5 | 157.0 | 101.0 | 136.0 | 156.0 | .943 |
| Brodmann 29 | 14.0 | 20.5 | 21.5 | 15.0 | 19.0 | 22.0 | .981 |
| Brodmann 26 | 10.5 | 14.5 | 18.5 | 12.0 | 14.0 | 15.0 | .456 |
| Medial wall | 1651.0 | 1801.0 | 2052.5 | 1638.0 | 1771.0 | 1945.0 | .399 |
| Brodmann 33 | 62.5 | 68.0 | 88.0 | 51.0 | 68.0 | 77.0 | .427 |

^aSignificant difference ($P \leq .001$).

On-line Table 3: Comparison of the area distributions of the right hemisphere Brodmann atlas (PALSBI2) regions between the control subjects and the very preterm infants with low-grade IVH

| Brodmann Atlas (PALSBI2) Regions | Area (Right Hemisphere) | | | | | | P Value (Mann Whitney U Test) |
|----------------------------------|----------------------------------|---------------------------|----------------------------------|----------------------------------|---------------------------|----------------------------------|-------------------------------|
| | Control Subjects | | | IVH | | | |
| | Percentile 25 (mm ²) | Median (mm ²) | Percentile 75 (mm ²) | Percentile 25 (mm ²) | Median (mm ²) | Percentile 75 (mm ²) | |
| Brodmann 8 | 808.5 | 920.0 | 1031.5 | 680.0 | 774.0 | 848.0 | .009 |
| Brodmann 6 | 1512.0 | 1617.5 | 1719.5 | 1242.0 | 1424.0 | 1540.0 | .012 |
| Brodmann 4 | 1450.5 | 1636.5 | 2085.5 | 1366.0 | 1475.0 | 1699.0 | .152 |
| Brodmann 9 | 1064.5 | 1213.5 | 1348.0 | 868.0 | 973.0 | 1051.0 | .001 ^a |
| Brodmann 3 | 375.5 | 433.5 | 474.0 | 361.0 | 411.0 | 467.0 | .486 |
| Brodmann 1 | 404.0 | 514.5 | 642.5 | 425.0 | 495.0 | 693.0 | .981 |
| Brodmann 5 | 439.5 | 507.5 | 614.0 | 395.0 | 459.0 | 507.0 | .152 |
| Brodmann 7 | 1507.5 | 1629.0 | 1907.5 | 1239.0 | 1455.0 | 1587.0 | .021 |
| Brodmann 2 | 701.0 | 773.0 | 1016.0 | 610.0 | 804.0 | 834.0 | .236 |
| Brodmann 31 | 532.5 | 598.5 | 682.5 | 478.0 | 580.0 | 705.0 | .792 |
| Brodmann 40 | 712.5 | 814.0 | 998.0 | 627.0 | 732.0 | 830.0 | .103 |
| Brodmann 44 | 465.5 | 515.5 | 553.5 | 289.0 | 394.0 | 455.0 | .005 |
| Brodmann 45 | 253.0 | 291.0 | 347.0 | 168.0 | 207.0 | 219.0 | .001 ^a |
| Brodmann 23 | 259.5 | 341.0 | 403.5 | 243.0 | 307.0 | 363.0 | .427 |
| Brodmann 39 | 694.0 | 778.0 | 871.5 | 638.0 | 732.0 | 831.0 | .200 |
| Brodmann 43 | 214.5 | 291.0 | 304.5 | 216.0 | 260.0 | 333.0 | .943 |
| Brodmann 19 | 2136.0 | 2451.5 | 2797.0 | 1868.0 | 2152.0 | 2388.0 | .037 |
| Brodmann 47 | 181.5 | 197.0 | 250.5 | 151.0 | 178.0 | 204.0 | .126 |
| Brodmann 41 | 182.0 | 232.5 | 285.5 | 176.0 | 254.0 | 283.0 | .755 |
| Brodmann 30 | 67.0 | 89.0 | 109.0 | 80.0 | 96.0 | 107.0 | .399 |
| Brodmann 22 | 1184.0 | 1447.0 | 1593.0 | 1202.0 | 1421.0 | 1507.0 | .719 |
| Brodmann 42 | 296.5 | 361.0 | 540.5 | 326.0 | 398.0 | 422.0 | .755 |
| Brodmann 21 | 497.0 | 599.0 | 688.0 | 481.0 | 570.0 | 673.0 | .867 |
| Brodmann 38 | 606.0 | 721.5 | 835.5 | 643.0 | 694.0 | 753.0 | .905 |
| Brodmann 37 | 1058.0 | 1110.5 | 1200.0 | 840.0 | 1049.0 | 1067.0 | .032 |
| Brodmann 20 | 775.0 | 835.0 | 888.5 | 722.0 | 833.0 | 911.0 | .792 |
| Brodmann 32 | 565.5 | 638.0 | 746.0 | 519.0 | 586.0 | 632.0 | .103 |
| Brodmann 24 | 694.5 | 751.0 | 847.5 | 589.0 | 700.0 | 762.0 | .183 |
| Brodmann 10 | 953.5 | 1063.0 | 1183.0 | 791.0 | 964.0 | 992.0 | .025 |
| Brodmann 25 | 92.5 | 97.0 | 102.0 | 80.0 | 99.0 | 120.0 | .867 |
| Brodmann 11 | 1181.5 | 1377.5 | 1430.5 | 1039.0 | 1222.0 | 1362.0 | .139 |
| Brodmann 46 | 580.5 | 714.5 | 837.0 | 434.0 | 531.0 | 656.0 | .012 |
| Brodmann 17 | 423.0 | 516.5 | 723.5 | 508.0 | 585.0 | 652.0 | .792 |
| Brodmann 18 | 1232.0 | 1687.0 | 1752.0 | 1175.0 | 1317.0 | 1413.0 | .236 |
| Brodmann 27 | 36.5 | 50.0 | 58.0 | 37.0 | 48.0 | 65.0 | .829 |
| Brodmann 36 | 225.0 | 248.0 | 265.5 | 219.0 | 232.0 | 247.0 | .277 |
| Brodmann 35 | 37.0 | 46.0 | 56.0 | 41.0 | 47.0 | 53.0 | .792 |
| Brodmann 28 | 93.5 | 128.5 | 155.5 | 117.0 | 134.0 | 148.0 | .683 |
| Brodmann 29 | 21.0 | 23.0 | 27.0 | 24.0 | 26.0 | 31.0 | .236 |
| Brodmann 26 | 13.0 | 17.0 | 20.5 | 12.0 | 12.0 | 19.0 | .277 |
| Medial wall | 1883.5 | 1950.5 | 2063.0 | 1759.0 | 1916.0 | 2044.0 | .581 |

^aSignificant difference ($P \leq .001$).

On-line Table 4: Comparison of the mean curvature distributions of the left hemisphere Brodmann atlas (PALSBI2) regions between the control subjects and the very preterm infants with low-grade IVH^a

| Brodmann Atlas (PALSBI2) Regions | Mean Curvature (Left Hemisphere) | | | | | | P Value (Mann Whitney U Test) |
|----------------------------------|-----------------------------------|----------------------------|-----------------------------------|-----------------------------------|----------------------------|-----------------------------------|-------------------------------|
| | Control Subjects | | | IVH | | | |
| | Percentile 25 (mm ⁻¹) | Median (mm ⁻¹) | Percentile 75 (mm ⁻¹) | Percentile 25 (mm ⁻¹) | Median (mm ⁻¹) | Percentile 75 (mm ⁻¹) | |
| Brodmann 8 | 0.119 | 0.123 | 0.135 | 0.117 | 0.125 | 0.130 | .648 |
| Brodmann 6 | 0.118 | 0.124 | 0.130 | 0.118 | 0.131 | 0.136 | .139 |
| Brodmann 4 | 0.116 | 0.124 | 0.130 | 0.120 | 0.124 | 0.131 | .581 |
| Brodmann 9 | 0.115 | 0.124 | 0.133 | 0.125 | 0.131 | 0.137 | .114 |
| Brodmann 3 | 0.110 | 0.118 | 0.124 | 0.103 | 0.112 | 0.122 | .486 |
| Brodmann 1 | 0.120 | 0.124 | 0.131 | 0.117 | 0.127 | 0.135 | .486 |
| Brodmann 5 | 0.122 | 0.129 | 0.142 | 0.128 | 0.134 | 0.141 | .516 |
| Brodmann 7 | 0.117 | 0.131 | 0.135 | 0.128 | 0.133 | 0.139 | .152 |
| Brodmann 2 | 0.113 | 0.121 | 0.127 | 0.128 | 0.130 | 0.137 | .005 |
| Brodmann 31 | 0.114 | 0.122 | 0.134 | 0.128 | 0.137 | 0.145 | .053 |
| Brodmann 40 | 0.119 | 0.127 | 0.137 | 0.122 | 0.132 | 0.137 | .516 |
| Brodmann 44 | 0.107 | 0.124 | 0.132 | 0.123 | 0.128 | 0.135 | .217 |
| Brodmann 45 | 0.117 | 0.127 | 0.134 | 0.119 | 0.133 | 0.137 | .347 |
| Brodmann 23 | 0.097 | 0.111 | 0.138 | 0.114 | 0.126 | 0.137 | .236 |
| Brodmann 39 | 0.119 | 0.126 | 0.132 | 0.132 | 0.135 | 0.140 | .016 |
| Brodmann 43 | 0.117 | 0.127 | 0.142 | 0.119 | 0.134 | 0.142 | .683 |
| Brodmann 19 | 0.127 | 0.134 | 0.140 | 0.129 | 0.132 | 0.135 | .486 |
| Brodmann 47 | 0.111 | 0.125 | 0.137 | 0.120 | 0.140 | 0.148 | .114 |
| Brodmann 41 | 0.119 | 0.130 | 0.142 | 0.115 | 0.123 | 0.135 | .217 |
| Brodmann 30 | 0.103 | 0.127 | 0.148 | 0.095 | 0.120 | 0.155 | .683 |
| Brodmann 22 | 0.117 | 0.127 | 0.135 | 0.124 | 0.131 | 0.139 | .126 |
| Brodmann 42 | 0.112 | 0.122 | 0.142 | 0.098 | 0.117 | 0.121 | .139 |
| Brodmann 21 | 0.110 | 0.133 | 0.139 | 0.116 | 0.121 | 0.135 | .905 |
| Brodmann 38 | 0.114 | 0.120 | 0.129 | 0.113 | 0.116 | 0.122 | .200 |
| Brodmann 37 | 0.130 | 0.135 | 0.140 | 0.129 | 0.137 | 0.142 | .581 |
| Brodmann 20 | 0.109 | 0.129 | 0.133 | 0.118 | 0.121 | 0.129 | .867 |
| Brodmann 32 | 0.103 | 0.120 | 0.132 | 0.120 | 0.127 | 0.136 | .103 |
| Brodmann 24 | 0.111 | 0.121 | 0.137 | 0.111 | 0.126 | 0.130 | .792 |
| Brodmann 10 | 0.115 | 0.125 | 0.133 | 0.122 | 0.131 | 0.135 | .139 |
| Brodmann 25 | 0.096 | 0.126 | 0.154 | 0.118 | 0.125 | 0.136 | .981 |
| Brodmann 11 | 0.107 | 0.124 | 0.129 | 0.120 | 0.123 | 0.131 | .399 |
| Brodmann 46 | 0.118 | 0.125 | 0.132 | 0.125 | 0.133 | 0.142 | .037 |
| Brodmann 17 | 0.114 | 0.132 | 0.135 | 0.107 | 0.112 | 0.122 | .059 |
| Brodmann 18 | 0.121 | 0.126 | 0.132 | 0.126 | 0.131 | 0.144 | .037 |
| Brodmann 27 | 0.095 | 0.112 | 0.137 | 0.096 | 0.109 | 0.132 | .905 |
| Brodmann 36 | 0.103 | 0.120 | 0.130 | 0.123 | 0.133 | 0.146 | .047 |
| Brodmann 35 | 0.086 | 0.104 | 0.116 | 0.084 | 0.107 | 0.131 | .516 |
| Brodmann 28 | 0.105 | 0.111 | 0.118 | 0.099 | 0.115 | 0.129 | .614 |
| Brodmann 29 | 0.093 | 0.112 | 0.142 | 0.082 | 0.094 | 0.147 | .373 |
| Brodmann 26 | 0.089 | 0.114 | 0.143 | 0.077 | 0.098 | 0.138 | .373 |
| Medial wall | 0.098 | 0.104 | 0.111 | 0.092 | 0.094 | 0.099 | .005 |
| Brodmann 33 | 0.101 | 0.126 | 0.145 | 0.095 | 0.127 | 0.141 | .981 |

^a Significant differences ($P \leq .001$) were not detected.

On-line Table 5: Comparison of the mean curvature distributions of the right hemisphere Brodmann atlas (PALSBI2) regions between the control subjects and the very preterm infants with low-grade IVH^a

| Brodmann Atlas (PALSBI2) Regions | Mean Curvature (Right Hemisphere) | | | | | | P Value (Mann Whitney U Test) |
|----------------------------------|-----------------------------------|----------------------------|-----------------------------------|-----------------------------------|----------------------------|-----------------------------------|-------------------------------|
| | Control Subjects | | | IVH | | | |
| | Percentile 25 (mm ⁻¹) | Median (mm ⁻¹) | Percentile 75 (mm ⁻¹) | Percentile 25 (mm ⁻¹) | Median (mm ⁻¹) | Percentile 75 (mm ⁻¹) | |
| Brodmann 8 | 0.118 | 0.123 | 0.127 | 0.119 | 0.123 | 0.130 | .867 |
| Brodmann 6 | 0.120 | 0.128 | 0.132 | 0.124 | 0.131 | 0.135 | .277 |
| Brodmann 4 | 0.118 | 0.122 | 0.127 | 0.120 | 0.127 | 0.132 | .152 |
| Brodmann 9 | 0.122 | 0.132 | 0.137 | 0.119 | 0.126 | 0.139 | .792 |
| Brodmann 3 | 0.100 | 0.118 | 0.127 | 0.109 | 0.121 | 0.127 | .399 |
| Brodmann 1 | 0.109 | 0.121 | 0.133 | 0.114 | 0.121 | 0.133 | .719 |
| Brodmann 5 | 0.123 | 0.130 | 0.138 | 0.133 | 0.142 | 0.150 | .053 |
| Brodmann 7 | 0.122 | 0.131 | 0.143 | 0.131 | 0.134 | 0.139 | .427 |
| Brodmann 2 | 0.112 | 0.126 | 0.134 | 0.122 | 0.129 | 0.137 | .456 |
| Brodmann 31 | 0.114 | 0.125 | 0.139 | 0.131 | 0.136 | 0.148 | .067 |
| Brodmann 40 | 0.113 | 0.130 | 0.140 | 0.128 | 0.133 | 0.143 | .167 |
| Brodmann 44 | 0.118 | 0.127 | 0.132 | 0.115 | 0.130 | 0.137 | .581 |
| Brodmann 45 | 0.124 | 0.133 | 0.141 | 0.108 | 0.122 | 0.132 | .093 |
| Brodmann 23 | 0.118 | 0.133 | 0.143 | 0.119 | 0.127 | 0.141 | .719 |
| Brodmann 39 | 0.119 | 0.125 | 0.134 | 0.128 | 0.137 | 0.144 | .067 |
| Brodmann 43 | 0.106 | 0.132 | 0.148 | 0.116 | 0.127 | 0.132 | .516 |
| Brodmann 19 | 0.123 | 0.127 | 0.135 | 0.132 | 0.134 | 0.140 | .025 |
| Brodmann 47 | 0.128 | 0.144 | 0.150 | 0.120 | 0.128 | 0.149 | .347 |
| Brodmann 41 | 0.123 | 0.125 | 0.139 | 0.116 | 0.129 | 0.139 | .581 |
| Brodmann 30 | 0.109 | 0.121 | 0.136 | 0.114 | 0.124 | 0.135 | .943 |
| Brodmann 22 | 0.123 | 0.128 | 0.130 | 0.125 | 0.130 | 0.134 | .126 |
| Brodmann 42 | 0.107 | 0.121 | 0.142 | 0.115 | 0.119 | 0.131 | .829 |
| Brodmann 21 | 0.122 | 0.128 | 0.134 | 0.107 | 0.129 | 0.136 | .905 |
| Brodmann 38 | 0.120 | 0.125 | 0.134 | 0.123 | 0.124 | 0.131 | .719 |
| Brodmann 37 | 0.125 | 0.132 | 0.142 | 0.138 | 0.139 | 0.149 | .114 |
| Brodmann 20 | 0.125 | 0.129 | 0.142 | 0.117 | 0.124 | 0.131 | .167 |
| Brodmann 32 | 0.122 | 0.131 | 0.135 | 0.122 | 0.129 | 0.134 | .943 |
| Brodmann 24 | 0.114 | 0.128 | 0.134 | 0.119 | 0.126 | 0.140 | .300 |
| Brodmann 10 | 0.114 | 0.127 | 0.132 | 0.120 | 0.136 | 0.140 | .093 |
| Brodmann 25 | 0.109 | 0.121 | 0.133 | 0.098 | 0.123 | 0.142 | .867 |
| Brodmann 11 | 0.119 | 0.126 | 0.132 | 0.122 | 0.131 | 0.138 | .236 |
| Brodmann 46 | 0.128 | 0.132 | 0.137 | 0.124 | 0.137 | 0.144 | .399 |
| Brodmann 17 | 0.104 | 0.116 | 0.121 | 0.110 | 0.120 | 0.123 | .427 |
| Brodmann 18 | 0.120 | 0.133 | 0.137 | 0.124 | 0.133 | 0.138 | .486 |
| Brodmann 27 | 0.087 | 0.120 | 0.141 | 0.103 | 0.139 | 0.145 | .486 |
| Brodmann 36 | 0.112 | 0.118 | 0.132 | 0.110 | 0.120 | 0.131 | .829 |
| Brodmann 35 | 0.090 | 0.109 | 0.138 | 0.111 | 0.127 | 0.156 | .217 |
| Brodmann 28 | 0.104 | 0.122 | 0.136 | 0.103 | 0.117 | 0.135 | .867 |
| Brodmann 29 | 0.075 | 0.119 | 0.138 | 0.081 | 0.109 | 0.129 | .648 |
| Brodmann 26 | 0.085 | 0.142 | 0.177 | 0.077 | 0.106 | 0.118 | .103 |
| Medial wall | 0.105 | 0.107 | 0.112 | 0.104 | 0.108 | 0.111 | .943 |

^aSignificant differences ($P \leq .001$) were not detected.

On-line Table 6: Comparison of the thickness distributions of the left hemisphere Brodmann atlas (PALSBI2) regions between the control subjects and the very preterm infants with low-grade IVH^a

| Brodmann Atlas (PALSBI2) Regions | Thickness (Left Hemisphere) | | | | | | P Value (Mann Whitney U Test) |
|----------------------------------|-----------------------------|-------------|--------------------|--------------------|-------------|--------------------|-------------------------------|
| | Controls | | | IVH | | | |
| | Percentile 25 (mm) | Median (mm) | Percentile 75 (mm) | Percentile 25 (mm) | Median (mm) | Percentile 75 (mm) | |
| Brodmann 8 | 2.198 | 2.355 | 2.553 | 2.225 | 2.399 | 2.623 | .648 |
| Brodmann 6 | 1.996 | 2.161 | 2.257 | 2.126 | 2.248 | 2.328 | .236 |
| Brodmann 4 | 2.053 | 2.593 | 2.675 | 2.583 | 2.641 | 2.687 | .183 |
| Brodmann 9 | 2.281 | 2.477 | 2.795 | 2.293 | 2.507 | 2.584 | .683 |
| Brodmann 3 | 2.298 | 2.620 | 2.889 | 2.553 | 2.812 | 3.131 | .152 |
| Brodmann 1 | 2.324 | 2.388 | 2.605 | 2.600 | 2.770 | 2.930 | .002 |
| Brodmann 5 | 1.494 | 2.359 | 2.702 | 2.219 | 2.374 | 2.685 | .548 |
| Brodmann 7 | 2.040 | 2.413 | 2.915 | 2.418 | 2.518 | 2.631 | .277 |
| Brodmann 2 | 2.242 | 2.456 | 2.839 | 2.306 | 2.494 | 2.540 | 1.00 |
| Brodmann 31 | 2.117 | 2.599 | 2.799 | 2.344 | 2.550 | 2.882 | .755 |
| Brodmann 40 | 2.521 | 2.651 | 2.778 | 2.527 | 2.740 | 3.018 | .456 |
| Brodmann 44 | 2.111 | 2.305 | 2.708 | 2.097 | 2.366 | 2.518 | .943 |
| Brodmann 45 | 1.833 | 2.397 | 2.731 | 2.185 | 2.401 | 2.625 | .981 |
| Brodmann 23 | 0.434 | 1.800 | 2.390 | 1.046 | 2.248 | 2.937 | .083 |
| Brodmann 39 | 2.366 | 2.524 | 2.881 | 2.454 | 2.661 | 2.901 | .614 |
| Brodmann 43 | 2.026 | 2.528 | 2.830 | 2.449 | 2.615 | 2.798 | .427 |
| Brodmann 19 | 2.157 | 2.478 | 2.903 | 2.456 | 2.697 | 2.800 | .236 |
| Brodmann 47 | 1.999 | 2.369 | 2.983 | 2.255 | 2.549 | 2.762 | .516 |
| Brodmann 41 | 1.613 | 2.353 | 2.649 | 2.453 | 2.643 | 2.754 | .059 |
| Brodmann 30 | 0.418 | 1.541 | 2.849 | 1.253 | 2.919 | 3.727 | .075 |
| Brodmann 22 | 2.376 | 2.506 | 2.846 | 2.426 | 2.478 | 2.746 | .867 |
| Brodmann 42 | 1.443 | 2.677 | 2.996 | 2.434 | 2.726 | 3.084 | .373 |
| Brodmann 21 | 2.102 | 2.611 | 2.751 | 2.204 | 2.380 | 2.648 | .755 |
| Brodmann 38 | 1.601 | 2.052 | 2.257 | 1.957 | 2.163 | 2.302 | .373 |
| Brodmann 37 | 2.134 | 2.353 | 2.903 | 2.431 | 2.560 | 2.824 | .399 |
| Brodmann 20 | 1.603 | 1.904 | 2.171 | 1.862 | 1.940 | 2.306 | .323 |
| Brodmann 32 | 1.738 | 2.314 | 2.765 | 2.616 | 2.834 | 3.133 | .037 |
| Brodmann 24 | 1.345 | 2.226 | 2.529 | 2.470 | 2.534 | 2.981 | .019 |
| Brodmann 10 | 2.045 | 2.283 | 2.491 | 2.193 | 2.466 | 2.555 | .236 |
| Brodmann 25 | 1.089 | 2.214 | 2.555 | 2.154 | 2.529 | 2.693 | .083 |
| Brodmann 11 | 1.692 | 2.233 | 2.628 | 2.232 | 2.313 | 2.465 | .648 |
| Brodmann 46 | 1.927 | 2.450 | 2.755 | 2.433 | 2.593 | 2.771 | .300 |
| Brodmann 17 | 2.200 | 2.917 | 3.139 | 2.849 | 3.062 | 3.636 | .067 |
| Brodmann 18 | 2.260 | 2.574 | 2.827 | 2.496 | 2.638 | 2.943 | .456 |
| Brodmann 27 | 0.361 | 1.190 | 2.057 | 0.631 | 1.634 | 1.998 | .347 |
| Brodmann 36 | 0.605 | 1.254 | 1.569 | 1.068 | 1.377 | 1.738 | .399 |
| Brodmann 35 | 0.405 | 1.594 | 2.356 | 1.080 | 2.221 | 2.696 | .217 |
| Brodmann 28 | 0.324 | 0.627 | 0.938 | 0.398 | 0.658 | 0.841 | .867 |
| Brodmann 29 | 0.343 | 0.679 | 1.991 | 0.610 | 2.490 | 3.085 | .075 |
| Brodmann 26 | 0.287 | 0.642 | 2.175 | 0.417 | 2.047 | 3.041 | .075 |
| Medial wall | 0.334 | 0.673 | 0.826 | 0.564 | 0.627 | 0.709 | .719 |
| Brodmann 33 | 0.842 | 2.475 | 2.691 | 2.597 | 2.891 | 3.251 | .004 |

^a Significant differences ($P \leq .001$) were not detected.

On-line Table 7: Comparison of the thickness distributions of the right hemisphere Brodmann atlas (PALSBI2) regions between the control subjects and the very preterm infants with low-grade IVH^a

| Brodmann Atlas (PALSBI2) Regions | Thickness (Right Hemisphere) | | | | | | P Value (Mann Whitney U Test) |
|----------------------------------|------------------------------|-------------|--------------------|--------------------|-------------|--------------------|-------------------------------|
| | Control Subjects | | | IVH | | | |
| | Percentile 25 (mm) | Median (mm) | Percentile 75 (mm) | Percentile 25 (mm) | Median (mm) | Percentile 75 (mm) | |
| Brodmann 8 | 2.117 | 2.325 | 2.398 | 2.268 | 2.408 | 2.508 | .126 |
| Brodmann 6 | 2.145 | 2.273 | 2.361 | 2.111 | 2.178 | 2.270 | .548 |
| Brodmann 4 | 2.106 | 2.636 | 2.797 | 2.484 | 2.611 | 2.687 | .905 |
| Brodmann 9 | 2.422 | 2.589 | 2.711 | 2.196 | 2.488 | 2.864 | .867 |
| Brodmann 3 | 2.196 | 2.701 | 2.989 | 2.689 | 2.852 | 3.006 | .236 |
| Brodmann 1 | 2.443 | 2.747 | 3.008 | 2.475 | 2.676 | 2.887 | .581 |
| Brodmann 5 | 2.176 | 2.349 | 2.508 | 2.258 | 2.418 | 2.632 | .323 |
| Brodmann 7 | 2.318 | 2.462 | 2.690 | 2.493 | 2.621 | 2.715 | .093 |
| Brodmann 2 | 2.277 | 2.581 | 3.096 | 2.331 | 2.489 | 2.691 | .792 |
| Brodmann 31 | 1.796 | 2.337 | 2.596 | 2.265 | 2.405 | 2.624 | .347 |
| Brodmann 40 | 2.296 | 2.420 | 2.740 | 2.329 | 2.526 | 2.688 | .792 |
| Brodmann 44 | 2.134 | 2.327 | 2.452 | 2.067 | 2.242 | 2.414 | .792 |
| Brodmann 45 | 2.233 | 2.427 | 2.571 | 2.181 | 2.469 | 2.548 | .867 |
| Brodmann 23 | 0.927 | 1.849 | 2.366 | 1.689 | 2.267 | 2.898 | .114 |
| Brodmann 39 | 2.505 | 2.806 | 2.962 | 2.593 | 2.744 | 2.827 | .792 |
| Brodmann 43 | 2.363 | 2.677 | 2.954 | 2.380 | 2.477 | 2.596 | .277 |
| Brodmann 19 | 2.360 | 2.550 | 2.835 | 2.613 | 2.744 | 2.940 | .183 |
| Brodmann 47 | 2.132 | 2.334 | 2.439 | 2.142 | 2.372 | 2.569 | .548 |
| Brodmann 41 | 2.178 | 2.586 | 2.751 | 2.408 | 2.557 | 2.782 | .905 |
| Brodmann 30 | 0.941 | 1.636 | 3.031 | 1.794 | 2.922 | 3.292 | .217 |
| Brodmann 22 | 2.241 | 2.402 | 2.730 | 2.144 | 2.458 | 2.752 | .905 |
| Brodmann 42 | 1.862 | 2.551 | 3.032 | 2.320 | 2.758 | 2.899 | .581 |
| Brodmann 21 | 1.665 | 2.439 | 2.941 | 2.367 | 2.585 | 2.676 | .648 |
| Brodmann 38 | 1.774 | 2.168 | 2.364 | 2.202 | 2.291 | 2.325 | .456 |
| Brodmann 37 | 1.826 | 2.167 | 2.446 | 2.363 | 2.454 | 2.662 | .016 |
| Brodmann 20 | 1.108 | 2.001 | 2.307 | 1.831 | 2.059 | 2.272 | .347 |
| Brodmann 32 | 2.012 | 2.365 | 2.587 | 2.434 | 2.579 | 2.838 | .114 |
| Brodmann 24 | 1.724 | 2.093 | 2.309 | 2.086 | 2.332 | 2.502 | .067 |
| Brodmann 10 | 2.381 | 2.652 | 2.902 | 2.285 | 2.477 | 2.536 | .093 |
| Brodmann 25 | 1.769 | 2.274 | 2.541 | 2.031 | 2.464 | 2.887 | .103 |
| Brodmann 11 | 2.417 | 2.545 | 2.717 | 2.375 | 2.458 | 2.761 | .648 |
| Brodmann 46 | 2.330 | 2.479 | 2.644 | 2.340 | 2.489 | 2.572 | .867 |
| Brodmann 17 | 2.366 | 2.723 | 3.403 | 2.888 | 3.000 | 3.095 | .614 |
| Brodmann 18 | 2.172 | 2.571 | 3.006 | 2.575 | 2.848 | 3.168 | .139 |
| Brodmann 27 | 0.463 | 1.741 | 2.101 | 1.256 | 1.953 | 2.426 | .256 |
| Brodmann 36 | 0.782 | 1.039 | 1.297 | 0.905 | 1.097 | 1.373 | .648 |
| Brodmann 35 | 0.527 | 2.050 | 2.459 | 1.563 | 2.265 | 2.462 | .456 |
| Brodmann 28 | 0.295 | 0.564 | 0.775 | 0.623 | 0.678 | 0.813 | .236 |
| Brodmann 29 | 0.377 | 1.160 | 2.156 | 1.440 | 1.976 | 3.037 | .256 |
| Brodmann 26 | 0.402 | 0.703 | 2.149 | 0.772 | 1.890 | 2.193 | .486 |
| Medial wall | 0.352 | 0.545 | 0.640 | 0.444 | 0.498 | 0.566 | .683 |

^aSignificant differences ($P \leq .001$) were not detected.

On-line Table 8: Comparison of the volume distributions of the left hemisphere Brodmann atlas (PALSBI2) regions between the control subjects and the very preterm infants with low-grade IVH^a

| Brodmann Atlas (PALSBI2) Regions | Volume (Left Hemisphere) | | | | | | P Value (Mann Whitney U Test) |
|----------------------------------|----------------------------------|---------------------------|----------------------------------|----------------------------------|---------------------------|----------------------------------|-------------------------------|
| | Control Subjects | | | IVH | | | |
| | Percentile 25 (mm ³) | Median (mm ³) | Percentile 75 (mm ³) | Percentile 25 (mm ³) | Median (mm ³) | Percentile 75 (mm ³) | |
| Brodmann 8 | 1619.5 | 1819.5 | 1905.0 | 1388.0 | 1575.0 | 1725.0 | .103 |
| Brodmann 6 | 3087.0 | 3575.0 | 4019.5 | 2871.0 | 3454.0 | 3771.0 | .486 |
| Brodmann 4 | 3175.5 | 3818.0 | 5119.5 | 4136.0 | 4605.0 | 4923.0 | .256 |
| Brodmann 9 | 2009.0 | 2577.5 | 2987.0 | 1860.0 | 2591.0 | 3087.0 | .867 |
| Brodmann 3 | 769.0 | 920.0 | 1427.5 | 817.0 | 1049.0 | 1113.0 | .905 |
| Brodmann 1 | 1195.0 | 1628.0 | 2259.5 | 1408.0 | 1725.0 | 1845.0 | 1.000 |
| Brodmann 5 | 867.0 | 1247.5 | 1523.0 | 1142.0 | 1280.0 | 1559.0 | .323 |
| Brodmann 7 | 4813.5 | 5614.0 | 7219.5 | 4169.0 | 4889.0 | 5627.0 | .277 |
| Brodmann 2 | 2315.5 | 2762.0 | 3197.0 | 2147.0 | 2378.0 | 2826.0 | .200 |
| Brodmann 31 | 958.5 | 1111.0 | 1468.0 | 1105.0 | 1250.0 | 1491.0 | .236 |
| Brodmann 40 | 2443.0 | 2957.0 | 3448.0 | 2358.0 | 2419.0 | 2658.0 | .114 |
| Brodmann 44 | 573.5 | 788.5 | 1024.0 | 743.0 | 825.0 | 1116.0 | .323 |
| Brodmann 45 | 362.5 | 454.5 | 599.0 | 415.0 | 458.0 | 594.0 | .581 |
| Brodmann 23 | 62.5 | 419.5 | 637.5 | 253.0 | 593.0 | 722.0 | .167 |
| Brodmann 39 | 2078.0 | 2603.0 | 3298.0 | 1962.0 | 2401.0 | 2801.0 | .427 |
| Brodmann 43 | 358.0 | 607.5 | 793.0 | 552.0 | 629.0 | 758.0 | .829 |
| Brodmann 19 | 5215.5 | 7398.0 | 10075.5 | 4797.0 | 5249.0 | 6219.0 | .126 |
| Brodmann 47 | 228.5 | 337.5 | 402.0 | 290.0 | 337.0 | 399.0 | .829 |
| Brodmann 41 | 323.0 | 438.5 | 585.0 | 495.0 | 556.0 | 684.0 | .103 |
| Brodmann 30 | 19.0 | 69.5 | 251.5 | 56.0 | 259.0 | 294.0 | .183 |
| Brodmann 22 | 3732.5 | 4317.0 | 5466.0 | 3926.0 | 4121.0 | 4813.0 | .792 |
| Brodmann 42 | 442.0 | 786.5 | 1106.5 | 822.0 | 1021.0 | 1208.0 | .152 |
| Brodmann 21 | 1029.5 | 1771.0 | 1854.0 | 1125.0 | 1272.0 | 1697.0 | .300 |
| Brodmann 38 | 1006.5 | 1335.0 | 1625.5 | 1116.0 | 1408.0 | 1621.0 | .755 |
| Brodmann 37 | 1817.5 | 2591.0 | 3891.5 | 1890.0 | 2103.0 | 2594.0 | .427 |
| Brodmann 20 | 1069.0 | 1861.0 | 2261.5 | 1481.0 | 1715.0 | 1866.0 | .648 |
| Brodmann 32 | 674.5 | 1496.5 | 1780.0 | 1267.0 | 1574.0 | 1788.0 | .427 |
| Brodmann 24 | 668.0 | 1754.5 | 1998.5 | 1514.0 | 1771.0 | 2099.0 | .399 |
| Brodmann 10 | 1447.5 | 2203.0 | 2866.5 | 1898.0 | 2308.0 | 2764.0 | .719 |
| Brodmann 25 | 64.0 | 216.0 | 268.5 | 220.0 | 232.0 | 286.0 | .427 |
| Brodmann 11 | 1462.0 | 2860.5 | 3070.0 | 2253.0 | 2560.0 | 2875.0 | .486 |
| Brodmann 46 | 1037.0 | 1534.0 | 1719.0 | 1387.0 | 1542.0 | 1760.0 | .581 |
| Brodmann 17 | 1302.5 | 2157.5 | 2602.0 | 2262.0 | 2483.0 | 3106.0 | .126 |
| Brodmann 18 | 4321.0 | 4866.5 | 5849.0 | 4408.0 | 5341.0 | 6484.0 | .456 |
| Brodmann 27 | 8.0 | 53.5 | 141.5 | 10.0 | 80.0 | 115.0 | .683 |
| Brodmann 36 | 31.5 | 180.0 | 352.0 | 128.0 | 167.0 | 282.0 | .867 |
| Brodmann 35 | 9.5 | 69.0 | 139.5 | 27.0 | 83.0 | 127.0 | .792 |
| Brodmann 28 | 11.0 | 44.0 | 69.0 | 10.0 | 25.0 | 43.0 | .200 |
| Brodmann 29 | 5.5 | 12.0 | 45.0 | 8.0 | 50.0 | 64.0 | .183 |
| Brodmann 26 | 4.0 | 10.0 | 34.0 | 4.0 | 32.0 | 40.0 | .300 |
| Medial wall | 278.5 | 941.5 | 1113.0 | 739.0 | 785.0 | 902.0 | .683 |
| Brodmann 33 | 34.5 | 185.5 | 207.0 | 160.0 | 20.0 | 220.0 | .217 |

^a Significant differences ($P \leq .001$) were not detected.

On-line Table 9: Comparison of the volume distributions of the right hemisphere Brodmann atlas (PALSBI2) regions between the control subjects and the very preterm infants with low-grade IVH

| Brodmann Atlas (PALSBI2) Regions | Volume (Right Hemisphere) | | | | | | P Value (Mann Whitney U Test) |
|----------------------------------|----------------------------------|---------------------------|----------------------------------|----------------------------------|---------------------------|----------------------------------|-------------------------------|
| | Control Subjects | | | IVH | | | |
| | Percentile 25 (mm ³) | Median (mm ³) | Percentile 75 (mm ³) | Percentile 25 (mm ³) | Median (mm ³) | Percentile 75 (mm ³) | |
| Brodmann 8 | 2075.0 | 2201.5 | 2449.5 | 1688.0 | 1909.0 | 2022.0 | .002 |
| Brodmann 6 | 3308.0 | 3437.0 | 3795.0 | 2730.0 | 3272.0 | 3328.0 | .019 |
| Brodmann 4 | 4027.0 | 4315.0 | 5231.0 | 3903.0 | 4239.0 | 4821.0 | .399 |
| Brodmann 9 | 2880.5 | 3349.0 | 3623.5 | 2135.0 | 2417.0 | 3000.0 | .001 ^a |
| Brodmann 3 | 837.5 | 968.0 | 1123.5 | 854.0 | 927.0 | 1194.0 | .943 |
| Brodmann 1 | 1392.0 | 1631.0 | 1884.5 | 1394.0 | 1650.0 | 2100.0 | .719 |
| Brodmann 5 | 1112.5 | 1403.0 | 1441.5 | 1089.0 | 1215.0 | 1428.0 | .347 |
| Brodmann 7 | 4157.0 | 4623.5 | 5510.0 | 3974.0 | 4303.0 | 4580.0 | .256 |
| Brodmann 2 | 1842.0 | 2409.0 | 2682.5 | 1798.0 | 2077.0 | 2249.0 | .236 |
| Brodmann 31 | 862.0 | 1482.0 | 1652.0 | 1277.0 | 1442.0 | 1742.0 | .683 |
| Brodmann 40 | 2145.5 | 2427.5 | 2832.5 | 1689.0 | 2251.0 | 2554.0 | .183 |
| Brodmann 44 | 960.0 | 1202.5 | 1286.5 | 713.0 | 871.0 | 1066.0 | .006 |
| Brodmann 45 | 685.5 | 755.5 | 921.5 | 416.0 | 588.0 | 651.0 | .009 |
| Brodmann 23 | 249.0 | 716.0 | 957.5 | 522.0 | 857.0 | 976.0 | .456 |
| Brodmann 39 | 2089.5 | 2491.0 | 2792.5 | 1803.0 | 2027.0 | 2363.0 | .126 |
| Brodmann 43 | 605.5 | 816.0 | 929.5 | 614.0 | 859.0 | 1003.0 | .683 |
| Brodmann 19 | 5947.0 | 7223.0 | 9401.0 | 5545.0 | 6231.0 | 7145.0 | .373 |
| Brodmann 47 | 480.0 | 530.0 | 601.5 | 412.0 | 473.0 | 641.0 | .277 |
| Brodmann 41 | 404.0 | 529.0 | 697.5 | 374.0 | 546.0 | 628.0 | .905 |
| Brodmann 30 | 65.5 | 200.5 | 344.5 | 261.0 | 343.0 | 426.0 | .059 |
| Brodmann 22 | 2946.5 | 3806.0 | 4457.5 | 3182.0 | 3477.0 | 4116.0 | .829 |
| Brodmann 42 | 709.5 | 777.0 | 940.0 | 702.0 | 925.0 | 1020.0 | .548 |
| Brodmann 21 | 831.0 | 1501.5 | 2117.5 | 1184.0 | 1446.0 | 1797.0 | .943 |
| Brodmann 38 | 1302.5 | 1999.0 | 2307.0 | 1571.0 | 1768.0 | 1991.0 | .719 |
| Brodmann 37 | 1943.0 | 2512.5 | 3194.0 | 2180.0 | 2776.0 | 3523.0 | .614 |
| Brodmann 20 | 866.0 | 1605.0 | 1872.5 | 1538.0 | 1804.0 | 1955.0 | .236 |
| Brodmann 32 | 1230.5 | 1420.0 | 1625.0 | 1110.0 | 1277.0 | 1700.0 | .347 |
| Brodmann 24 | 1074.0 | 1656.5 | 1933.0 | 1348.0 | 1683.0 | 1859.0 | .581 |
| Brodmann 10 | 2671.0 | 2961.0 | 3088.0 | 1829.0 | 2125.0 | 2702.0 | <.001 ^a |
| Brodmann 25 | 157.5 | 244.0 | 270.0 | 217.0 | 241.0 | 277.0 | .648 |
| Brodmann 11 | 3613.0 | 3758.0 | 4272.5 | 2823.0 | 3472.0 | 3663.0 | .093 |
| Brodmann 46 | 1586.0 | 1869.5 | 2296.5 | 1091.0 | 1369.0 | 1708.0 | .004 |
| Brodmann 17 | 1194.5 | 1744.5 | 2110.5 | 1671.0 | 1950.0 | 2192.0 | .183 |
| Brodmann 18 | 3822.5 | 5272.0 | 6693.5 | 4504.0 | 4867.0 | 5491.0 | .755 |
| Brodmann 27 | 13.0 | 98.5 | 125.5 | 55.0 | 105.0 | 132.0 | .548 |
| Brodmann 36 | 47.5 | 137.0 | 212.5 | 96.0 | 144.0 | 187.0 | .981 |
| Brodmann 35 | 14.0 | 96.0 | 132.5 | 63.0 | 103.0 | 117.0 | .905 |
| Brodmann 28 | 11.0 | 17.5 | 75.5 | 12.0 | 29.0 | 52.0 | .581 |
| Brodmann 29 | 4.5 | 28.0 | 78.5 | 40.0 | 76.0 | 93.0 | .323 |
| Brodmann 26 | 2.5 | 14.0 | 45.5 | 11.0 | 24.0 | 38.0 | .683 |
| Medial wall | 525.5 | 724.5 | 909.0 | 475.0 | 597.0 | 700.0 | .083 |

^aSignificant differences ($P \leq .001$).

On-line Table 10: Results of TBSS analysis showing brain clusters (rows) with reduction of FA in very premature infants with low-grade IVH^a

| No. of Voxels | P Value | (X, Y, Z) MNI Coordinates at Maximum Significance | White Matter Tracts Involved |
|---------------|---------|---|---|
| 21,817 | .031 | (14, -13, 3) | Anterior thalamic radiation, corticospinal tract, cingulum, forceps minor and major, inferior fronto-occipital fasciculus, longitudinal fasciculus, uncinata fasciculus |
| 271 | .049 | (38, -39, -4) | Anterior thalamic radiation, cingulum, inferior fronto-occipital fasciculus, inferior longitudinal fasciculus |
| 70 | .050 | (-14, 10, 0) | Anterior thalamic radiation, forceps minor |

Note:—MNI coordinate indicates Montreal Neurologic Institute atlas coordinates.

^aFor each cluster, its size (number of voxels), the P value and the location of its most significant voxel, and its anatomic location are presented.

On-line Table 11: Results of functional connectivity analysis showing brain clusters (rows) with decreased brain activity resting-state fMRI in very premature infants with low-grade IVH^a

| No. of Voxels | P Value | (X, Y, Z) MNI Coordinates at Maximum P Value | Location |
|---------------|---------|--|---|
| 223 | .006 | (-66, -12, 18) | Postcentral gyrus left, central opercular cortex left |
| 174 | .02 | (10, -62, 72) | Postcentral gyrus right, superior parietal lobule right |

^a For each cluster, its size (number of voxels), the P value and the location of its most significant voxel, and its anatomic location are presented.