**Supplementary file.**

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| Regression formulas |
| The regression formulas used to calculate Log10 NT-proBNP p50 (Y) based on age (x) in years: |
| Male, Age 8-22: Yp50 (x) = 1.717671-0.04975(x-8) |
| Male, Age ≥22: Yp50 (x) = 1.021189+0.010258(x-22) |
| Female, Age 8-22: Yp50 (x) = 1.778151-0.017438(x-8) |
| Female, Age ≥22: Yp50 (x) = 1.534026+0.006490(x-22) |
|  |
| The regression formulas used to calculate Log10 NT-proBNP p97.5 (Y) based on age (x) in years: |
| Male, Age 8-22: Yp97.5 (x) = 2.252853-0.044605(x-8) |
| Male, Age ≥22: Yp97.5 (x) = 1.628389+0.011387(x-22) |
| Female, Age 8-22: Yp97.5 (x) = 2.271842-0.016180(x-8) |
| Female, Age ≥22: Yp97.5 (x) = 2.045323+0.008255(x-22) |

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| Supplementary table 1. |
| Patient | NT-proBNP | Z-score for logNtproBNP |
| 1 | 96 | 2,74 |
| 2 | 693 | 5,65 |
| 3 | 282 | 3,21 |
| 4 | 271 | 3,44 |
| 5 | 329 | 4,48 |
| 6 | 116 | 1,87 |
| 7 | 347 | 3,63 |
| 8 | 450 | 3,47 |
| 9 | 213 | 2,96 |
| 10 | 1862 | 6,07 |
| 11 | 182 | 3,81 |
| 12 | 668 | 5,54 |
| 13 | 264 | 3,12 |
| 14 | 146 | 3,46 |
| 15 | 98 | 3 |
| 16 | 114 | 1,83 |
| 17 | 538 | 4,13 |
| 18 | 56 | 2,17 |
| 19 | 57 | 0,71 |
| 20 | 132 | 2,25 |
| 21 | 47 | 1,52 |
| 22 | 196 | 2,83 |
| 23 | 144 | 3,45 |
| 24 | 179 | 2,71 |
| 25 | 416 | 4,95 |
| 26 | 40 | 1,59 |
| 27 | 185 | 2,81 |
| 28 | 494 | 5,39 |
| 29 | 80 | 1,11 |
| 30 | 148 | 2,35 |
| 31 | 56 | 1,81 |
| 32 | 110 | 2,83 |
| 33 | 48 | 2,12 |
| 34 | 125 | 2,08 |
| 35 | 341 | 3,06 |
| 36 | 452 | 3,92 |
| 37 | 83 | 1,41 |
| 38 | 488 | 4,35 |
| 39 | 67 | 0,98 |
| 40 | 80 | 2,84 |
| 41 | 62 | 0,85 |
| 42 | 46 | 0,32 |
| 43 | 551 | 5,45 |
| 44 | 83 | 1,29 |
| 45 | 384 | 3,78 |
| 46 | 1082 | 4,93 |
| 47 | 596 | 4,47 |
| 48 | 799 | 4,98 |
| 49 | 413 | 3,63 |
| 50 | 377 | 4,14 |
| 51 | 228 | 2,94 |
| 52 | 176 | 2,7 |
| 53 | 85 | 1,83 |
| 54 | 543 | 4,25 |
| 55 | 45 | 1,37 |
| 56 | 64 | 0,63 |
| 57 | 103 | 2,04 |
| 58 | 32 | -0,64 |
| 59 | 40 | 0,21 |
| 60 | 52 | 0,74 |
| 61 | 20 | -0,21 |
| 62 | 70 | 0,74 |
| 63 | 140 | 2,07 |
| 64 | 82 | 0,86 |
| 65 | 115 | 2,46 |
| 66 | 48 | 1,49 |
| 67 | 67 | 0,73 |
| 68 | 50 | 0,75 |
| 69 | 85 | 1,04 |
| 70 | 54 | 0,61 |
| 71 | 211 | 3,01 |
| 72 | 115 | 1,39 |
| 73 | 123 | 1,41 |
| 74 | 92 | 1,35 |
| 75 | 112 | 1,21 |
| 76 | 65 | 1,03 |
| 77 | 9 | -1,7 |
| 78 | 107 | 1,6 |
| 79 | 88 | 2,36 |
| 80 | 51 | 1,07 |
| 81 | 61 | 1,28 |
| 82 | 135 | 1,54 |
| 83 | 93 | 0,9 |
| 84 | 34 | 0,64 |
| 85 | 44 | 0,37 |
| 86 | 108 | 1,44 |
| 87 | 141 | 1,8 |
| 88 | 22 | -0,01 |
| 89 | 34 | 0,95 |
| 90 | 150 | 2,46 |
| 91 | 144 | 2,35 |
| 92 | 52 | 2,02 |
| 93 | 177 | 2,96 |
| 94 | 290 | 3,05 |
| 95 | 47 | 1,65 |

NT-proBNP =N-terminal pro brain natriuretic peptide