

| Number ID (*controls) | Sex | Age | Infection in the last 15 days | Antiinflammatories in the last 15 days | Clinical form/ Cardiac Burden |
|----------------------------------|------------|------------|----------------------------------------------|---------------------------------------------------|-------------------------------------------------------------|
| 1 | F | 56 | N | N | indeterminate |
| 2 | M | 55 | N | N | electrocardiogram alteration and ventricular dysfunction |
| 3 | M | 70 | N | N | electrocardiogram alteration |
| 4 | M | 55 | N | N | indeterminate |
| 5 | F | 73 | N | N | indeterminate |
| 6 | M | 42 | N | N | electrocardiogram alteration and ventricular dysfunction |
| 7 | M | 62 | N | N | indeterminate |
| 8 | F | 57 | N | N | electrocardiogram alteration and ventricular dysfunction |
| 9 | F | 59 | N | N | electrocardiogram alteration and ventricular dysfunction |
| 10 | F | 72 | N | N | electrocardiogram alteration |
| 11 | F | 71 | N | N | electrocardiogram alteration and ventricular dysfunction |
| 12 | F | 55 | Y (cold) | N | electrocardiogram alteration |
| 13 | F | 61 | N | N | electrocardiogram alteration |
| 14 | M | 53 | N | N | electrocardiogram alteration and ventricular dysfunction |
| 15 | M | 71 | N | N | electrocardiogram alteration and ventricular dysfunction |
| 16 | F | 79 | N | N | indeterminate |
| 17 | F | 57 | N | N | electrocardiogram alteration and ventricular dysfunction |
| 18 | M | 60 | N | N | electrocardiogram alteration |
| 19 | M | 46 | N | N | electrocardiogram alteration and ventricular dysfunction |

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|-----------|---|----|---|---|----------------------------------------------------------|
| 20 | M | 57 | N | N | electrocardiogram alteration and ventricular dysfunction |
| 21 | F | 62 | N | N | electrocardiogram alteration |
| 22 | F | 58 | N | N | electrocardiogram alteration |
| 23 | M | 43 | N | N | electrocardiogram alteration and ventricular dysfunction |
| 24 | F | 67 | N | N | electrocardiogram alteration |
| 25 | M | 70 | N | N | electrocardiogram alteration |
| 27 | F | 58 | N | N | electrocardiogram alteration |
| 28 | F | 72 | N | N | indeterminate |
| 29 | F | 75 | N | N | electrocardiogram alteration |
| 30 | M | 67 | N | N | electrocardiogram alteration |
| 31 | F | 63 | N | N | electrocardiogram alteration |
| 32 | M | 69 | N | N | indeterminate |
| 33 | F | 45 | N | N | electrocardiogram alteration |
| 34 | M | 63 | N | N | electrocardiogram alteration and ventricular dysfunction |
| 35 | M | 81 | N | N | indeterminate |
| 36 | F | 46 | N | N | electrocardiogram alteration and ventricular dysfunction |
| 37 | F | 51 | N | N | electrocardiogram alteration and ventricular dysfunction |
| 38 | F | 30 | N | N | electrocardiogram alteration and ventricular dysfunction |
| 39 | F | 49 | N | N | indeterminate |
| 40 | F | 76 | N | N | indeterminate |
| 41 | M | 65 | N | N | electrocardiogram alteration |
| 1* | F | 30 | N | N | ---- |
| 2* | F | 26 | N | N | ---- |
| 3* | M | 30 | N | N | ---- |
| 4* | F | 50 | N | N | ---- |
| 5* | F | 20 | N | N | ---- |
| 6* | M | 22 | N | N | ---- |
| 7* | F | 39 | N | N | ---- |

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|-----|---|----|----------|---|------|
| 8* | F | 26 | N | N | ---- |
| 9* | F | 25 | N | N | ---- |
| 10* | F | 36 | N | N | ---- |
| 11* | F | 32 | N | N | ---- |
| 12* | M | 32 | N | N | ---- |
| 13* | M | 26 | Y (cold) | N | ---- |
| 14* | M | 25 | N | N | ---- |
| 15* | F | 25 | N | N | ---- |
| 16* | F | 41 | N | N | ---- |
| 17* | F | 26 | N | N | ---- |
| 18* | M | 37 | N | N | ---- |
| 19* | F | 29 | N | N | ---- |
| 20* | M | 24 | N | N | ---- |
| 21* | F | 24 | N | N | ---- |
| 22* | F | 23 | N | N | ---- |
| 23* | M | 19 | N | N | ---- |
| 24* | M | 24 | N | N | ---- |
| 25* | F | 28 | N | N | ---- |
| 26* | F | 21 | N | N | ---- |
| 27* | M | 21 | N | N | ---- |
| 28* | F | 21 | N | N | ---- |
| 29* | F | 24 | N | N | ---- |
| 30* | F | 26 | N | N | ---- |

| NYHA Functional Class | Ejection Fraction | Heart Rhythm | EVs Mean Concentration (particles/mL) | EVs Mean Size (nm) |
|-----------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------|
| II | 0.65 | NL | 1,51E+09 | 188,6 |
| IV | 0.31 | left atrial overload, complete right bundle branch block, left anterior fascicular block, premature ventricular contraction | 6,80E+08 | 179,5 |
| I | 0.71 | atrial fibrillation | 1,25E+09 | 156,5 |
| I | 0.66 | NL | 8,39E+08 | 156,2 |
| I | 0.68 | NL | 3,22E+08 | 208,1 |
| II | 0.4 | sinus bradycardia, left anterior fascicular block, complete right bundle branch block, non-specific ventricular repolarization alteration | 3,84E+08 | 266,2 |
| I | 0.6 | final conduction delay | 2,08E+08 | 121,6 |
| II | 0.2 | non-specific intraventricular conduction delay, non-specific ventricular repolarization alteration, left anterior fascicular block | 4,54E+08 | 163,6 |
| IV | 0.3 | pacemaker | 3,63E+08 | 236,1 |
| I | 0.5 | left anterior fascicular block, complete right bundle branch block | 3,28E+08 | 225,6 |
| IV | 0.2 | sinus bradycardia, left anterior fascicular block, complete right bundle branch block | 1,45E+08 | 212,6 |
| I | 0.41 | left anterior fascicular block, complete right bundle branch block, non-specific ventricular repolarization alteration | 8,10E+08 | 196,8 |
| II | 0.7 | left anterior fascicular block, complete right bundle branch block, anteroseptal electrical inactivity, first degree atrioventricular block | 2,65E+08 | 264,2 |
| I | 0.3 | pacemaker | 2,01E+08 | 110,5 |
| II | 0.3 | complete right bundle branch block, left anterior fascicular block, premature ventricular contraction | 7,90E+08 | 177,5 |
| I | 0.6 | NL | 1,61E+09 | 241,8 |
| I | 0,39 | left anterior fascicular block, complete right bundle branch block, non-specific ventricular repolarization alteration | 1,24E+09 | 214,2 |
| I | 0,58 | non-specific ventricular repolarization alteration | 3,09E+08 | 169,2 |
| I | 0,25 | left ventricular overload, complete right bundle branch block, left anterior fascicular block | 5,76E+08 | 212,4 |

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|------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|
| IV | 0,22 | final conduction delay, left atrial overload, premature ventricular contraction, inferior electrical inactivity, non-specific ventricular repolarization alteration | 1,11E+09 | 186,5 |
| I | 0,57 | left anterior fascicular block, final conduction delay, left ventricular overload | 3,55E+08 | 230,6 |
| I | 0,60 | non-specific ventricular repolarization alteration | 1,44E+08 | 261,3 |
| I | 0,20 | final conduction delay, non-specific ventricular repolarization alteration | 1,35E+08 | 303,3 |
| I | 0,57 | first degree atrioventricular block, septal force diminishment, non-specific ventricular repolarization alteration | 1,70E+08 | 189,1 |
| I | 0,62 | complete right bundle branch block, inferior electrical inactivity | 2,21E+08 | 275,7 |
| I | 0,61 | premature ventricular contraction, BIG | 6,14E+08 | 257,2 |
| I | 0,65 | NL | 1,72E+06 | 72,7 |
| II | 0,66 | isolated premature ventricular contraction | 1,90E+08 | 263,1 |
| I | 0,66 | atrial fibrillation, left anterior fascicular block | 1,82E+08 | 199,7 |
| I | 0,66 | left anterior fascicular block, non-specific ventricular repolarization alteration | 6,23E+08 | 137,8 |
| I | 0,81 | NL | 1,87E+08 | 216,6 |
| I | 0,69 | sinus ectopic rhythm | 3,41E+07 | 167,6 |
| I | 0,45 | non-specific ventricular repolarization alteration | 1,37E+08 | 279 |
| I | 0,68 | NL | 4,07E+08 | 277,9 |
| II | 0,35 | premature ventricular contraction, non-specific ventricular repolarization alteration | 5,45E+08 | 336,4 |
| I | 0,33 | pacemaker | 5,11E+07 | 190,6 |
| I | 0,40 | premature ventricular contraction, left anterior fascicular block, final conduction delay | 2,93E+08 | 176,6 |
| I | 0,64 | NL | 4,03E+08 | 163,9 |
| II | 0,62 | NL | 6,25E+08 | 202,4 |
| I | 0,62 | left anterior fascicular block, complete right bundle branch block | 2,58E+08 | 166,6 |
| ---- | ---- | ---- | 1,27E+09 | 144,2 |
| ---- | ---- | ---- | 7,71E+08 | 161 |
| ---- | ---- | ---- | 6,02E+08 | 164 |
| ---- | ---- | ---- | 1,04E+09 | 173,2 |
| ---- | ---- | ---- | 9,56E+08 | 184,1 |
| ---- | ---- | ---- | 4,27E+08 | 100,9 |
| ---- | ---- | ---- | 1,10E+09 | 195,8 |

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| ---- | ---- | ---- | 6,95E+08 | 191,6 |
| ---- | ---- | ---- | 6,18E+08 | 199,6 |
| ---- | ---- | ---- | 2,18E+07 | 361,1 |
| ---- | ---- | ---- | 1,49E+08 | 226,8 |
| ---- | ---- | ---- | 2,42E+08 | 237,6 |
| ---- | ---- | ---- | 6,03E+07 | 282,6 |
| ---- | ---- | ---- | 3,87E+07 | 270,5 |
| ---- | ---- | ---- | 3,05E+07 | 284,7 |
| ---- | ---- | ---- | 8,58E+07 | 179 |
| ---- | ---- | ---- | 1,47E+08 | 147,4 |
| ---- | ---- | ---- | 1,70E+08 | 132 |
| ---- | ---- | ---- | 5,02E+08 | 170,1 |
| ---- | ---- | ---- | 8,18E+08 | 267,4 |
| ---- | ---- | ---- | 6,95E+08 | 249,4 |
| ---- | ---- | ---- | 4,36E+08 | 228,8 |
| ---- | ---- | ---- | 1,09E+09 | 280,2 |
| ---- | ---- | ---- | 1,12E+09 | 275,6 |
| ---- | ---- | ---- | 4,76E+08 | 183,9 |
| ---- | ---- | ---- | 5,67E+08 | 192,9 |
| ---- | ---- | ---- | 1,54E+08 | 176,4 |
| ---- | ---- | ---- | 4,03E+08 | 129,5 |
| ---- | ---- | ---- | 6,28E+08 | 157,7 |
| ---- | ---- | ---- | 3,23E+08 | 167,4 |

| EVs D10 (nm) | EVs D50 (nm) | EVs D90 (nm) | THP-1 IFN- γ (pg/mL) | THP-1 IL- 17 (pg/mL) |
|-----------------|-----------------|-----------------|-------------------------|----------------------------|
| 109,2 | 173,2 | 280,3 | 6,247694 | 7,552713 |
| 62 | 173,7 | 312,6 | 6,580625 | 7,552713 |
| 46,4 | 119,1 | 332,3 | 6,25507 | 7,470708 |
| 85,7 | 135,8 | 249 | 6,112791 | 7,373477 |
| 128,3 | 190,5 | 292,6 | 6,366765 | 7,487038 |
| 127,5 | 251,6 | 400,5 | 6,116399 | 6,860889 |
| 45,4 | 113,6 | 216,6 | 6,25507 | 7,022552 |
| 65 | 159,1 | 293,2 | 5,77961 | 7,135899 |
| 78,1 | 222,9 | 399,6 | 6,25507 | 7,53624 |
| 76,7 | 226,8 | 420,1 | 6,269849 | 7,487038 |
| 148,3 | 199,8 | 281 | 6,170766 | 7,400358 |
| 66 | 176,1 | 352,2 | 6,247694 | 7,448991 |
| 123,3 | 240,1 | 432,1 | 5,963185 | 7,352043 |
| 31,6 | 87,5 | 209,3 | 6,295795 | 7,427337 |
| 113,6 | 157,7 | 278,1 | 6,15259 | 7,378845 |
| 141,8 | 215,9 | 394,1 | 6,252964 | 6,376693 |
| 143 | 192,1 | 305 | 6,244285 | 6,362175 |
| 121,3 | 146,5 | 224,4 | 6,455936 | 6,391243 |
| 113,9 | 191,1 | 351,9 | 6,23129 | 6,383964 |

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|-------|-------|-------|----------|----------|
| 122,2 | 179,4 | 277 | 5,829415 | 6,362175 |
| 129,3 | 207 | 423 | 6,252964 | 6,208187 |
| 164,4 | 258 | 363,6 | 6,218321 | 6,265045 |
| 161,8 | 272,4 | 461,4 | 6,389036 | 6,329632 |
| 101,4 | 176,2 | 316,8 | 6,40236 | 6,380327 |
| 164,2 | 223,6 | 426,7 | 6,982955 | 6,416786 |
| 137,4 | 230,4 | 423,2 | 6,810546 | 6,409478 |
| 67,1 | 72,2 | 77,8 | 5,993613 | 6,413131 |
| 166,1 | 232,7 | 376,5 | 5,685486 | 6,394886 |
| 148 | 208,6 | 238,9 | 6,491902 | 6,424103 |
| 78,4 | 113,1 | 240,8 | 5,809209 | 6,387602 |
| 133,6 | 204,7 | 338,7 | 6,455936 | 6,383964 |
| 56,7 | 137,2 | 310 | 6,455936 | 6,37306 |
| 133 | 282,2 | 427,4 | 6,546227 | 6,318822 |
| 154,7 | 264 | 427,4 | 6,791654 | 6,365802 |
| 169,9 | 334,8 | 523 | 6,4425 | 6,380327 |
| 123 | 170,4 | 306,3 | 6,261654 | 6,409478 |
| 115,5 | 148,7 | 279,3 | 6,537142 | 6,416786 |
| 106,6 | 135,6 | 265,3 | 6,188167 | 6,402178 |
| 129,3 | 180,1 | 330,3 | 6,287799 | 6,402178 |
| 101 | 137,7 | 275,9 | 6,054232 | 6,835234 |
| 97,2 | 129,4 | 205,6 | 5,949129 | 7,384218 |
| 114,6 | 133,6 | 242,8 | 6,13085 | 7,362752 |
| 112,3 | 148,7 | 239,2 | 6,087599 | 7,389594 |
| 118,3 | 153,4 | 243,5 | 6,037525 | 7,378845 |
| 95,5 | 161,5 | 292,1 | 6,214608 | 7,394974 |
| 23,2 | 85,5 | 181,5 | 6,167127 | 7,389594 |
| 129,7 | 169,8 | 302,8 | 5,994932 | 7,336008 |

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| 119,5 | 168,7 | 285,5 | 5,942114 | 7,368113 |
| 128,4 | 180,4 | 278,9 | 5,64664 | 6,714969 |
| 333,4 | 362 | 383,1 | 5,807156 | 6,618542 |
| 155,7 | 202,6 | 343,5 | 6,068008 | 6,794908 |
| 85,1 | 223,6 | 400,5 | 6,2122 | 6,78598 |
| 197,2 | 237,5 | 440,4 | 6,231054 | 6,732652 |
| 139,5 | 252,2 | 410 | 6,193404 | 6,653445 |
| 131,7 | 230 | 541,6 | 6,054232 | 6,675353 |
| 66 | 163,8 | 334,8 | 6,169988 | 6,803849 |
| 66,2 | 135 | 215,8 | 6,235776 | 6,87128 |
| 57,8 | 120,7 | 231 | 6,179344 | 6,794908 |
| 113,7 | 152,8 | 234,8 | 6,132708 | 6,799377 |
| 156,6 | 219,5 | 461,2 | 6,174664 | 6,821766 |
| 158,3 | 208,7 | 406,6 | 5,99036 | 6,768157 |
| 136,3 | 200 | 358,4 | 6,264185 | 6,781519 |
| 156,9 | 231,8 | 454,5 | 6,031343 | 6,772608 |
| 160,2 | 231,1 | 469,4 | 6,00854 | 6,925706 |
| 106,2 | 174,7 | 279,6 | 6,142007 | 6,799377 |
| 120,3 | 163,7 | 317,2 | 5,846885 | 6,723805 |
| 103,1 | 163,1 | 269,6 | 6,114152 | 6,893905 |
| 80,8 | 114,5 | 211 | 5,967712 | 6,889374 |
| 97,1 | 135,5 | 240,9 | 6,013094 | 6,907516 |
| 110,8 | 154,1 | 233 | 6,297492 | 6,934819 |