

Supplementary Table 1: Individual data of descriptive, demographic, anthropometric and clinical characteristics in the group of non-addicted subjects (n= 88)

| Group 1 | Opium use age (year) ^a | BMI ^b | Cigarette smoking ^c | FBS ^d | CHOL ^e | TG ^f | HDL ^g | LDL ^h | Adiponectin (µg/ml) | Leptin (ng/ml) | mean sys ⁱ | mean dias ⁱ | Adiponectine (Log) ^j | Leptin (Log) ^j | | |
|-----------------------|-----------------------------------|------------------|--------------------------------|------------------|-------------------|-----------------|------------------|------------------|---------------------|----------------|-----------------------|------------------------|---------------------------------|---------------------------|------|-------|
| Control (non addicts) | 1 | Never | 35 | 16,73 | Yes | 84 | 113 | 72 | 39,00 | 59,6 | 17,10 | 0,5 | 110 | 72,5 | 1,23 | -0,30 |
| | 1 | Never | 50 | 19,96 | Yes | 93 | 149 | 76 | 38,00 | 95,8 | 9,00 | 0,5 | 100 | 60 | 0,95 | -0,30 |
| | 1 | Never | 42 | 24,70 | No | 76 | 183 | 66 | 55,00 | 114,8 | 16,71 | 0,5 | 100 | 70 | 1,22 | -0,30 |
| | 1 | Never | 35 | 25,35 | No | 94 | 196 | 75 | 42,00 | 139 | 10,67 | 0,5 | 110 | 80 | 1,03 | -0,30 |
| | 1 | Never | 41 | 30,52 | No | 90 | 144 | 53 | 38,00 | 95,4 | 8,10 | 0,5 | 90 | 60 | 0,91 | -0,30 |
| | 1 | Never | 49 | 31,81 | Yes | 117 | 184 | 162 | 36,00 | 115,6 | 3,14 | 0,5 | 100 | 80 | 0,50 | -0,30 |
| | 1 | Never | 46 | 27,11 | Yes | 86 | 228 | 667 | 24,00 | 114,7 | 4,48 | 0,9 | 130 | 90 | 0,65 | -0,05 |
| | 1 | Never | 50 | 25,26 | No | 83 | 209 | 78 | 34,00 | 159,4 | 3,69 | 1,3 | 110 | 70 | 0,57 | 0,11 |
| | 1 | Never | 42 | 24,25 | No | 89 | 209 | 88 | 28,00 | 163,4 | 5,83 | 1,5 | 110 | 70 | 0,77 | 0,18 |
| | 1 | Never | 38 | 29,05 | No | 95 | 172 | 129 | 51,00 | 95,2 | 7,50 | 1,5 | 100 | 70 | 0,88 | 0,18 |
| | 1 | Never | 42 | 25,62 | No | 86 | 188 | 146 | 31,00 | 127,8 | 1,81 | 1,9 | 165 | 115 | 0,26 | 0,28 |
| | 1 | Never | 40 | 26,77 | No | 88 | 203 | 74 | 36,00 | 152,2 | 12,24 | 2,3 | 110 | 80 | 1,09 | 0,36 |
| | 1 | Never | 39 | 24,21 | No | 100 | 251 | 420 | 32,00 | 163,9 | 7,00 | 2,5 | 110 | 70 | 0,85 | 0,40 |
| | 1 | Never | 48 | 25,67 | Yes | 81 | 165 | 88 | 37,00 | 110,4 | 9,62 | 2,5 | 120 | 80 | 0,98 | 0,40 |
| | 1 | Never | 46 | 23,84 | No | 79 | 150 | 76 | 30,00 | 104,8 | 7,14 | 2,7 | 110 | 70 | 0,85 | 0,43 |
| | 1 | Never | 40 | 23,48 | No | 72 | 172 | 136 | 35,00 | 109,8 | 13,62 | 2,9 | 120 | 80 | 1,13 | 0,46 |
| | 1 | Never | 45 | 23,29 | No | 102 | 214 | 240 | 31,00 | 135 | 6,88 | 3,1 | 145 | 97,5 | 0,84 | 0,49 |
| | 1 | Never | 35 | 24,96 | No | 85 | 225 | 217 | 35,00 | 146,6 | 29,83 | 3,1 | 132,5 | 87,5 | 1,47 | 0,49 |
| | 1 | Never | 42 | 24,00 | No | 101 | 250 | 346 | 32,00 | 148,8 | 11,83 | 3,1 | 112,5 | 85 | 1,07 | 0,49 |
| | 1 | Never | 42 | 25,01 | No | 102 | 202 | 355 | 18,00 | 113 | 1,40 | 3,5 | 100 | 80 | 0,15 | 0,54 |
| | 1 | Never | 46 | 25,83 | No | 103 | 205 | 225 | 26,00 | 134 | 1,86 | 3,5 | 100 | 80 | 0,27 | 0,54 |
| | 1 | Never | 42 | 25,14 | No | 87 | 236 | 132 | 32,00 | 177,6 | 27,19 | 3,5 | 110 | 80 | 1,43 | 0,54 |
| | 1 | Never | 49 | 23,91 | No | 87 | 149 | 112 | 28,00 | 98,6 | 1,26 | 3,7 | 110 | 75 | 0,10 | 0,57 |
| | 1 | Never | 40 | 29,23 | Yes | 93 | 192 | 119 | 30,00 | 138,2 | 2,71 | 3,7 | 130 | 80 | 0,43 | 0,57 |
| | 1 | Never | 44 | 26,61 | No | 87 | 255 | 118 | 36,00 | 195,4 | 18,55 | 3,7 | 120 | 80 | 1,27 | 0,57 |
| | 1 | Never | 50 | missed | Yes | 76 | 212 | 164 | 39,00 | 140,2 | 47,10 | 3,9 | 120 | 80 | 1,67 | 0,59 |
| | 1 | Never | 35 | 24,45 | No | 249 | 152 | 139 | 25,00 | 99,2 | 13,81 | 3,9 | 130 | 90 | 1,14 | 0,59 |
| | 1 | Never | 49 | 23,84 | Yes | 88 | 187 | 111 | 27,00 | 137,8 | 4,31 | 3,9 | 130 | 80 | 0,63 | 0,59 |
| | 1 | Never | 46 | 23,13 | No | 94 | 144 | 146 | 31,00 | 83,8 | 3,76 | 4,7 | 120 | 80 | 0,58 | 0,67 |
| | 1 | Never | 44 | 25,91 | No | 103 | 229 | 294 | 33,00 | 137,2 | 4,45 | 4,7 | 100 | 80 | 0,65 | 0,67 |
| | 1 | Never | 36 | 26,94 | No | 89 | 189 | 109 | 38,00 | 129,2 | 11,79 | 4,9 | 80 | 60 | 1,07 | 0,69 |
| | 1 | Never | 42 | 29,30 | No | 122 | 198 | 137 | 31,00 | 139,6 | 2,71 | 4,9 | 130 | 80 | 0,43 | 0,69 |
| | 1 | Never | 41 | 25,91 | No | 89 | 198 | 65 | 39,00 | 146 | 6,14 | 5,7 | 120 | 80 | 0,79 | 0,76 |
| | 1 | Never | 38 | 31,06 | Yes | 87 | 136 | 119 | 40,00 | 72,2 | 35,79 | 5,7 | 120 | 80 | 1,55 | 0,76 |
| | 1 | Never | 38 | 22,26 | Yes | 110 | 302 | 725 | 25,00 | 132,4 | 4,19 | 5,9 | 90 | 70 | 0,62 | 0,77 |
| | 1 | Never | 44 | 26,09 | Yes | 86 | 222 | 165 | 31,00 | 158 | 5,76 | 6,3 | 115 | 80 | 0,76 | 0,80 |
| | 1 | Never | 50 | 26,78 | Yes | 87 | 239 | 153 | 30,00 | 178,4 | 3,79 | 6,5 | 120 | 80 | 0,58 | 0,81 |
| | 1 | Never | 49 | 34,12 | Yes | 96 | 163 | 139 | 33,00 | 102,2 | 12,36 | 7,3 | 110 | 70 | 1,09 | 0,86 |
| | 1 | Never | 41 | 24,12 | Yes | 80 | 162 | 167 | 26,00 | 102,6 | 5,36 | 8,1 | 105 | 70 | 0,73 | 0,91 |
| | 1 | Never | 39 | 37,22 | Yes | 72 | 164 | 194 | 30,00 | 95,2 | 7,79 | 8,1 | 105 | 77,5 | 0,89 | 0,91 |
| | 1 | Never | 50 | 26,00 | No | 105 | 222 | 112 | 34,00 | 165,6 | 13,55 | 8,3 | 130 | 90 | 1,13 | 0,92 |
| | 1 | Never | 41 | 23,29 | No | 88 | 246 | 168 | 34,00 | 178,4 | 10,43 | 8,5 | 100 | 70 | 1,02 | 0,93 |
| | 1 | Never | 47 | 25,49 | Yes | 97 | 236 | 237 | 38,00 | 150,6 | 3,64 | 8,7 | 120 | 80 | 0,56 | 0,94 |
| | 1 | Never | 37 | 27,76 | No | 96 | 132 | 102 | 31,00 | 80,6 | 4,79 | 9,1 | 100 | 80 | 0,68 | 0,96 |
| | 1 | Never | 39 | 23,46 | Yes | 78 | 160 | 91 | 25,00 | 116,8 | 15,33 | 9,3 | 100 | 80 | 1,19 | 0,97 |
| | 1 | Never | 47 | 34,12 | Yes | 99 | 176 | 120 | 43,00 | 109 | 11,93 | 9,5 | 110 | 80 | 1,08 | 0,98 |
| | 1 | Never | 35 | 29,92 | No | 111 | 179 | 181 | 24,00 | 118,8 | 1,88 | 9,7 | 110 | 70 | 0,27 | 0,99 |
| | 1 | Never | 36 | 27,11 | No | 222 | 157 | 189 | 22,00 | 115,2 | 2,29 | 10,1 | 130 | 80 | 0,36 | 1,00 |
| | 1 | Never | 43 | 27,12 | Yes | 93 | 225 | 149 | 61,00 | 134,2 | 6,62 | 10,5 | 100 | 50 | 0,82 | 1,02 |
| | 1 | Never | 38 | 21,67 | No | 116 | 124 | 128 | 22,00 | 76,4 | 3,74 | 10,7 | 110 | 70 | 0,57 | 1,03 |
| | 1 | Never | 42 | 23,33 | No | 117 | 166 | 115 | 44,00 | 99 | 11,60 | 11,1 | 130 | 90 | 1,06 | 1,05 |
| | 1 | Never | 46 | 27,90 | Yes | 99 | 297 | 245 | 41,00 | 207 | 2,93 | 11,1 | 120 | 90 | 0,47 | 1,05 |

Supplementary Table 1: Individual data of descriptive, demographic, anthropometric and clinical characteristics in the group of non-addicted subjects (n= 88)

| Group 1 | Opium use age (year) ^a | BMI ^b | Cigarette smoking ^c | FBS ^d | CHOL ^e | TG ^f | HDL ^g | LDL ^h | Adiponectin (µg/ml) | Leptin (ng/ml) | mean sys ⁱ | mean dias ⁱ | Adiponectine (Log) ^j | Leptin (Log) ^j | | |
|-----------------------|-----------------------------------|------------------|--------------------------------|------------------|-------------------|-----------------|------------------|------------------|---------------------|----------------|-----------------------|------------------------|---------------------------------|---------------------------|------|------|
| Control (non addicts) | 1 | Never | 48 | 23,89 | Yes | 107 | 227 | 838 | 26,00 | 143,6 | 5,74 | 11,3 | 130 | 80 | 0,76 | 1,05 |
| | 1 | Never | 36 | 29,07 | Yes | 77 | 196 | 72 | 41,00 | 140,6 | 4,19 | 11,3 | 80 | 60 | 0,62 | 1,05 |
| | 1 | Never | 36 | 26,73 | No | 124 | 242 | 201 | 30,00 | 171,8 | 7,74 | 11,5 | 130 | 87,5 | 0,89 | 1,06 |
| | 1 | Never | 40 | 28,60 | Yes | 104 | 209 | 190 | 27,00 | 144 | 6,67 | 11,7 | 120 | 80 | 0,82 | 1,07 |
| | 1 | Never | 36 | 27,88 | No | 83 | 190 | 126 | 34,00 | 130,8 | 14,00 | 12,1 | 100 | 70 | 1,15 | 1,08 |
| | 1 | Never | 38 | 21,63 | No | 75 | 222 | 91 | 27,00 | 176,8 | 13,10 | 12,7 | 90 | 70 | 1,12 | 1,10 |
| | 1 | Never | 47 | 24,68 | Yes | 116 | 220 | 147 | 25,00 | 165,6 | 22,33 | 12,9 | 110 | 70 | 1,35 | 1,11 |
| | 1 | Never | 48 | 28,40 | No | 79 | 228 | 197 | 28,00 | 160,6 | 23,38 | 14,7 | 120 | 87,5 | 1,37 | 1,17 |
| | 1 | Never | 49 | 28,09 | No | 82 | 224 | 220 | 36,00 | 144 | 14,86 | 15,5 | 125 | 90 | 1,17 | 1,19 |
| | 1 | Never | 50 | 25,25 | No | 93 | 161 | 185 | 38,00 | 86 | 3,57 | 15,9 | 110 | 70 | 0,55 | 1,20 |
| | 1 | Never | 35 | 27,81 | Yes | 83 | 176 | 138 | 37,00 | 111,4 | 6,05 | 15,9 | 160 | 80 | 0,78 | 1,20 |
| | 1 | Never | 41 | 25,67 | No | 87 | 220 | 215 | 36,00 | 141 | 21,79 | 16,7 | 120 | 80 | 1,34 | 1,22 |
| | 1 | Never | 43 | 28,70 | Yes | 96 | 188 | 201 | 24,00 | 123,8 | 6,33 | 17,1 | 120 | 85 | 0,80 | 1,23 |
| | 1 | Never | 44 | 27,26 | Yes | 138 | 200 | 78 | 35,00 | 149,4 | 3,31 | 17,5 | 100 | 70 | 0,52 | 1,24 |
| | 1 | Never | 44 | 32,79 | Yes | 97 | 163 | 168 | 28,00 | 101,4 | 18,88 | 17,5 | 130 | 80 | 1,28 | 1,24 |
| | 1 | Never | 40 | 29,82 | Yes | 90 | 205 | 254 | 26,00 | 128,2 | 8,83 | 18,9 | 120 | 70 | 0,95 | 1,28 |
| | 1 | Never | 38 | 30,22 | Yes | 85 | 199 | 212 | 26,00 | 130,6 | 5,02 | 18,9 | 125 | 82,5 | 0,70 | 1,28 |
| | 1 | Never | 43 | 24,39 | No | 186 | 178 | 149 | 31,00 | 117,2 | 23,43 | 19,3 | 110 | 70 | 1,37 | 1,29 |
| | 1 | Never | 49 | 25,43 | No | 95 | 302 | 141 | 43,00 | 230,8 | 11,38 | 19,7 | 140 | 85 | 1,06 | 1,29 |
| | 1 | Never | 49 | 24,74 | No | 104 | 186 | 105 | 28,00 | 137 | 4,43 | 20,7 | 110 | 80 | 0,65 | 1,32 |
| | 1 | Never | 41 | 25,00 | No | 95 | 149 | 146 | 29,00 | 90,8 | 9,43 | 20,9 | 110 | 80 | 0,97 | 1,32 |
| | 1 | Never | 46 | 33,91 | No | 308 | 212 | 368 | 23,00 | 116,5 | 1,45 | 23,3 | 92,5 | 70 | 0,16 | 1,37 |
| | 1 | Never | 36 | 24,39 | No | 95 | 232 | 224 | 42,00 | 145,2 | 5,64 | 23,5 | 110 | 70 | 0,75 | 1,37 |
| | 1 | Never | 42 | 29,59 | No | 75 | 267 | 195 | 41,00 | 187 | 9,81 | 23,9 | 110 | 80 | 0,99 | 1,38 |
| | 1 | Never | 42 | 32,04 | No | 116 | 235 | 428 | 28,00 | 146,6 | 4,31 | 25,7 | 155 | 100 | 0,63 | 1,41 |
| | 1 | Never | 38 | 27,28 | No | 98 | 254 | 177 | 38,00 | 180,6 | 22,36 | 25,9 | 110 | 80 | 1,35 | 1,41 |
| | 1 | Never | 35 | 33,58 | No | 103 | 160 | 333 | 21,00 | 72 | 3,98 | 26,7 | 125 | 85 | 0,60 | 1,43 |
| | 1 | Never | 46 | 23,59 | No | 95 | 160 | 235 | 26,00 | 87 | 14,45 | 28,9 | 110 | 70 | 1,16 | 1,46 |
| | 1 | Never | 43 | 25,34 | No | 105 | 249 | 263 | 31,00 | 165,4 | 7,24 | 28,9 | 127,5 | 87,5 | 0,86 | 1,46 |
| | 1 | Never | 40 | 26,58 | No | 97 | 154 | 84 | 37,00 | 100,2 | 5,14 | 30,3 | 130 | 95 | 0,71 | 1,48 |
| | 1 | Never | 47 | 26,45 | Yes | 100 | 116 | 89 | 25,00 | 73,2 | 2,33 | 31,5 | 135 | 75 | 0,37 | 1,50 |
| | 1 | Never | 48 | 30,85 | Yes | 117 | 145 | 248 | 31,00 | 64,4 | 8,07 | 32,5 | 120 | 80 | 0,91 | 1,51 |
| | 1 | Never | 35 | 30,72 | No | 82 | 193 | 179 | 34,00 | 123,2 | 5,17 | 32,5 | 120 | 90 | 0,71 | 1,51 |
| | 1 | Never | 42 | 22,82 | Yes | 92 | 227 | 154 | 31,00 | 165,2 | 6,64 | 36,1 | 120 | 85 | 0,82 | 1,56 |
| | 1 | Never | 47 | 26,34 | Yes | 156 | 157 | 102 | 40,00 | 96,6 | 17,45 | 36,5 | 165 | 80 | 1,24 | 1,56 |
| | 1 | Never | 48 | 28,93 | No | 86 | 240 | 160 | 41,00 | 167 | 14,26 | 48,7 | 125 | 90 | 1,15 | 1,69 |
| | Mean | | 42,5 | 26,7 | | | | | 9,8 | 11,8 | 116,2 | 78,6 | 0,86 | 0,86 | | |
| | SD | | 4,7 | 3,4 | | | | | 8,0 | 10,4 | 16,2 | 9,6 | 0,34 | 0,50 | | |
| | n | | 88 | 88 | | | | | 88 | 88 | 88 | 88 | 88 | 88 | | |

a) mean age, b) Body mass index (BMI) which is calculated by dividing the weight (Kg) by squared height (m²), c) the comparison of the frequency of those who never smoked cigarette with those who were cigarette smokers between two groups, d) Fasting blood glucose; Normal (<126 mg/dl) and Diabetic (FBG ≥ 126 mg/dl), e) Cholesterol; Normal (<240 mg/dl) and Hypercholesterolemia (>240 mg/dl), f) Triglyceride; Normal (<200 mg/dl) and Hypertriglyceridemia (>200 mg/dl), g) High density lipoprotein; Normal (>40 mg/dl) and Low HDL (<40 mg/dl), h) Low density lipoprotein; Normal (<130 mg/dl) and High LDL (>130mg/dl), i) Blood pressure; Normal (<140/90 mmHg) and Hypertensive (>140/90 mmHg), j). Because the two variables of adiponectin (unitµg/ml) and leptin(unitng/ml) were not normally distributed, we logarithmically transforme them.

Supplementary Table 2: Individual data of descriptive, demographic, anthropometric and clinical characteristics in the group of addicted subjects (n= 88)

| Group 2 | Opium use | age (year) ^a | BMI ^b | Cigarette smoking ^c | FBS ^d | CHOL ^e | TG ^f | HDL ^g | LDL ^h | Adiponectin (µg/ml) | Leptin (ng/ml) | mean sys ⁱ | mean dias ⁱ | Adiponectine (Log) ^j | Leptin (Log) ^j |
|----------------|--------------|-------------------------|------------------|--------------------------------|------------------|-------------------|-----------------|------------------|------------------|---------------------|----------------|-----------------------|------------------------|---------------------------------|---------------------------|
| Case (Addicts) | | | | | | | | | | | | | | | |
| 2 | current user | 39 | 18,06 | Yes | 88 | 195 | 238 | 31,00 | 116,4 | 12,93 | 0,38 | 100 | 70 | 1,11 | -0,42 |
| 2 | current user | 43 | 20,05 | Yes | 85 | 127 | 67 | 30,00 | 83,6 | 7,04 | 0,43 | 90 | 60 | 0,85 | -0,37 |
| 2 | current user | 47 | 18,98 | Yes | 76 | 154 | 70 | 45,00 | 95 | 7,94 | 0,48 | 110 | 75 | 0,90 | -0,32 |
| 2 | current user | 44 | 23,23 | No | 92 | 211 | 179 | 35,00 | 140,2 | 4,64 | 0,48 | 120 | 80 | 0,67 | -0,32 |
| 2 | current user | 50 | 20,57 | No | 90 | 204 | 73 | 49,00 | 140,4 | 7,83 | 0,57 | 150 | 80 | 0,89 | -0,24 |
| 2 | current user | 43 | 20,45 | No | 94 | 235 | 185 | 46,00 | 152 | 8,95 | 0,57 | 112,5 | 80 | 0,95 | -0,24 |
| 2 | current user | 47 | 19,19 | Yes | 81 | 171 | 79 | 44,00 | 111,2 | 8,90 | 0,71 | 100 | 70 | 0,95 | -0,15 |
| 2 | current user | 43 | 24,76 | No | 92 | 152 | 115 | 48,00 | 81 | 12,52 | 0,86 | 125 | 75 | 1,10 | -0,07 |
| 2 | current user | 45 | 28,67 | No | 75 | 215 | 107 | 44,00 | 149,6 | 5,02 | 0,9 | 117,5 | 80 | 0,70 | -0,05 |
| 2 | current user | 49 | 26,06 | Yes | 99 | 230 | 124 | 45,00 | 160,2 | 0,70 | 1,33 | 110 | 70 | -0,15 | 0,12 |
| 2 | current user | 49 | 28,34 | No | 90 | 224 | 171 | 33,00 | 156,8 | 7,67 | 1,52 | 135 | 80 | 0,88 | 0,18 |
| 2 | current user | 41 | 23,88 | Yes | 90 | 155 | 156 | 19,00 | 104,8 | 3,10 | 1,57 | 100 | 70 | 0,49 | 0,20 |
| 2 | current user | 50 | 27,57 | No | 118 | 159 | 108 | 42,00 | 95,4 | 1,38 | 1,57 | 120 | 70 | 0,14 | 0,20 |
| 2 | current user | 45 | 20,20 | Yes | 71 | 141 | 76 | 38,00 | 87,8 | 14,83 | 1,62 | 120 | 90 | 1,17 | 0,21 |
| 2 | current user | 40 | 20,14 | Yes | 255 | 141 | 93 | 33,00 | 89,4 | 11,21 | 2 | 80 | 60 | 1,05 | 0,30 |
| 2 | current user | 43 | 19,23 | Yes | 101 | 184 | 136 | 65,00 | 91,8 | 10,20 | 2 | 110 | 72,5 | 1,01 | 0,30 |
| 2 | current user | 41 | 16,79 | Yes | 91 | 163 | 72 | 25,00 | 123,6 | 5,42 | 2 | 100 | 70 | 0,73 | 0,30 |
| 2 | current user | 42 | 23,89 | Yes | 91 | 183 | 127 | 31,00 | 126,6 | 6,79 | 2 | 110 | 50 | 0,83 | 0,30 |
| 2 | current user | 50 | 27,12 | Yes | 124 | 238 | 323 | 33,00 | 140,4 | 7,53 | 2,05 | 100 | 77,5 | 0,88 | 0,31 |
| 2 | current user | 37 | 21,00 | Yes | 91 | 182 | 134 | 37,00 | 118,2 | 14,62 | 2,1 | 100 | 60 | 1,16 | 0,32 |
| 2 | current user | 40 | 20,26 | Yes | 98 | 203 | 104 | 35,00 | 147,2 | 8,43 | 2,38 | 90 | 50 | 0,93 | 0,38 |
| 2 | current user | 46 | 26,01 | Yes | 71 | 171 | 195 | 26,00 | 106 | 4,38 | 2,76 | 100 | 80 | 0,64 | 0,44 |
| 2 | current user | 43 | 21,80 | Yes | 100 | 276 | 750 | 36,00 | 101,5 | 2,33 | 2,86 | 90 | 70 | 0,37 | 0,46 |
| 2 | current user | 41 | 19,01 | Yes | 86 | 121 | 113 | 30,00 | 68,4 | 9,69 | 3 | 100 | 60 | 0,99 | 0,48 |
| 2 | current user | 50 | 21,55 | Yes | 81 | 140 | 139 | 41,00 | 71,2 | 7,88 | 3 | 100 | 70 | 0,90 | 0,48 |
| 2 | current user | 48 | 21,72 | No | 77 | 164 | 114 | 35,00 | 106,2 | 3,07 | 3 | 147,5 | 90 | 0,49 | 0,48 |
| 2 | current user | 43 | 23,15 | No | 146 | 165 | 115 | 52,00 | 90 | 6,36 | 3,14 | 117,5 | 90 | 0,80 | 0,50 |
| 2 | current user | 40 | 18,44 | No | 78 | 150 | 90 | 34,00 | 98 | 8,10 | 3,24 | 100 | 70 | 0,91 | 0,51 |
| 2 | current user | 47 | 20,91 | Yes | 99 | 274 | 184 | 33,00 | 204,2 | 3,07 | 3,52 | 120 | 80 | 0,49 | 0,55 |
| 2 | current user | 36 | 22,78 | No | 92 | 208 | 394 | 28,00 | 79,5 | 9,21 | 3,57 | 112,5 | 75 | 0,96 | 0,55 |
| 2 | current user | 41 | 29,19 | No | 89 | 212 | 133 | 39,00 | 146,4 | 9,98 | 3,81 | 130 | 100 | 1,00 | 0,58 |
| 2 | current user | 38 | 18,44 | Yes | 90 | 217 | 132 | 35,00 | 155,6 | 12,19 | 4,43 | 90 | 60 | 1,09 | 0,65 |
| 2 | current user | 40 | 28,67 | No | 91 | 250 | 221 | 26,00 | 179,8 | 4,07 | 4,52 | 120 | 80 | 0,61 | 0,66 |
| 2 | current user | 50 | 22,36 | Yes | 89 | 227 | 160 | 49,00 | 146 | 6,07 | 4,81 | 100 | 70 | 0,78 | 0,68 |
| 2 | current user | 45 | 24,24 | Yes | 79 | 166 | 82 | 37,00 | 112,6 | 5,74 | 5,29 | 100 | 70 | 0,76 | 0,72 |
| 2 | current user | 48 | 28,72 | No | 96 | 109 | 214 | 28,00 | 38,2 | 5,43 | 5,38 | 125 | 92,5 | 0,73 | 0,73 |
| 2 | current user | 47 | 26,06 | No | 86 | 189 | 297 | 29,00 | 100,6 | 10,26 | 5,52 | 122,5 | 90 | 1,01 | 0,74 |
| 2 | current user | 38 | 20,98 | Yes | 112 | 197 | 120 | 41,00 | 132 | 5,53 | 6,19 | 110 | 70 | 0,74 | 0,79 |
| 2 | current user | 44 | 26,23 | Yes | 146 | 217 | 127 | 36,00 | 155,6 | 7,90 | 7,43 | 110 | 70 | 0,90 | 0,87 |
| 2 | current user | 41 | 26,73 | No | 106 | 192 | 179 | 30,00 | 126,2 | 6,00 | 7,62 | 110 | 65 | 0,78 | 0,88 |
| 2 | current user | 37 | 28,39 | No | 75 | 113 | 58 | 31,00 | 70,4 | 3,38 | 8,62 | 110 | 90 | 0,53 | 0,94 |
| 2 | current user | 35 | 27,28 | No | 107 | 274 | 168 | 43,00 | 197,4 | 11,86 | 9,38 | 120 | 85 | 1,07 | 0,97 |
| 2 | current user | 50 | 18,72 | No | 118 | 151 | 101 | 37,00 | 93,8 | 6,29 | 9,48 | 130 | 85 | 0,80 | 0,98 |
| 2 | current user | 40 | 29,04 | Yes | 103 | 127 | 47 | 51,00 | 66,6 | 0,66 | 9,52 | 135 | 75 | -0,18 | 0,98 |
| 2 | current user | 35 | 27,12 | No | 89 | 158 | 304 | 18,00 | 79,2 | 4,38 | 9,67 | 112,5 | 75 | 0,64 | 0,99 |
| 2 | current user | 35 | 26,23 | No | 77 | 142 | 78 | 37,00 | 89,4 | 3,88 | 9,71 | 100 | 70 | 0,59 | 0,99 |
| 2 | current user | 47 | 28,78 | No | 102 | 169 | 183 | 26,00 | 106,4 | 2,52 | 10,05 | 120 | 82,5 | 0,40 | 1,00 |
| 2 | current user | 50 | 25,19 | Yes | 90 | 219 | 229 | 37,00 | 136,2 | 2,11 | 10,24 | 130 | 90 | 0,32 | 1,01 |
| 2 | current user | 41 | 27,48 | Yes | 116 | 281 | 172 | 35,00 | 211,6 | 3,09 | 10,24 | 120 | 82,5 | 0,49 | 1,01 |
| 2 | current user | 50 | 21,19 | No | 89 | 141 | 100 | 44,00 | 77 | 2,98 | 10,76 | 130 | 80 | 0,47 | 1,03 |
| 2 | current user | 40 | 27,18 | Yes | 86 | 146 | 119 | 37,00 | 85,2 | 8,00 | 11,29 | 120 | 80 | 0,90 | 1,05 |
| 2 | current user | 48 | 28,34 | No | 111 | 188 | 226 | 29,00 | 113,8 | 1,76 | 11,43 | 125 | 85 | 0,25 | 1,06 |
| 2 | current user | 41 | 24,15 | Yes | 159 | 221 | 107 | 38,00 | 161,6 | 8,45 | 11,57 | 120 | 80 | 0,93 | 1,06 |

Supplementary Table 2: Individual data of descriptive, demographic, anthropometric and clinical characteristics in the group of addicted subjects (n= 88)

| Group 2 | Opium use | age (year) ^a | BMI ^b | Cigarette smoking ^c | FBS ^d | CHOL ^e | TG ^f | HDL ^g | LDL ^h | Adiponectin (µg/ml) | Leptin (ng/ml) | mean sys ⁱ | mean dias ⁱ | Adiponectine (Log) ^j | Leptin (Log) ^j |
|-----------------------|--------------|-------------------------|------------------|--------------------------------|------------------|-------------------|-----------------|------------------|------------------|---------------------|----------------|-----------------------|------------------------|---------------------------------|---------------------------|
| Case (Addicts) | | | | | | | | | | | | | | | |
| 2 | current user | 41 | 31,28 | No | 83 | 210 | 124 | 35,00 | 150,2 | 11,62 | 11,62 | 145 | 110 | 1,07 | 1,07 |
| 2 | current user | 50 | 28,75 | No | 104 | 245 | 179 | 35,00 | 174,2 | 4,52 | 12 | 140 | 90 | 0,66 | 1,08 |
| 2 | current user | 47 | 16,14 | Yes | 128 | 108 | 75 | 30,00 | 63 | 9,01 | 12,24 | 90 | 70 | 0,95 | 1,09 |
| 2 | current user | 46 | 27,93 | No | 90 | 165 | 96 | 43,00 | 102,8 | 3,02 | 13 | 130 | 80 | 0,48 | 1,11 |
| 2 | current user | 49 | 23,75 | Yes | 84 | 206 | 138 | 31,00 | 147,4 | 9,14 | 13,29 | 100 | 70 | 0,96 | 1,12 |
| 2 | current user | 39 | 28,27 | Yes | 90 | 239 | 212 | 33,00 | 163,6 | 3,88 | 13,48 | 120 | 60 | 0,59 | 1,13 |
| 2 | current user | 46 | 24,05 | Yes | 93 | 246 | 354 | 23,00 | 152,2 | 5,79 | 13,81 | 127,5 | 80 | 0,76 | 1,14 |
| 2 | current user | 46 | 18,56 | No | 103 | 161 | 54 | 38,00 | 112,2 | 2,45 | 14,62 | 107,5 | 70 | 0,39 | 1,16 |
| 2 | current user | 50 | 30,04 | No | 102 | 285 | 346 | 27,00 | 188,8 | 7,02 | 15,05 | 110 | 70 | 0,85 | 1,18 |
| 2 | current user | 39 | 25,04 | No | 106 | 204 | 292 | 30,00 | 115,6 | 1,26 | 15,67 | 120 | 80 | 0,10 | 1,20 |
| 2 | current user | 42 | 26,67 | Yes | 94 | 295 | 653 | 28,00 | 120,6 | 8,69 | 15,71 | 100 | 80 | 0,94 | 1,20 |
| 2 | current user | 44 | 29,91 | Yes | 113 | 187 | 109 | 34,00 | 131,2 | 4,33 | 15,76 | 120 | 77,5 | 0,64 | 1,20 |
| 2 | current user | 45 | 30,82 | No | 153 | 224 | 261 | 28,00 | 143,8 | 4,69 | 16,57 | 120 | 80 | 0,67 | 1,22 |
| 2 | current user | 47 | 26,57 | No | 100 | 106 | 207 | 20,00 | 44,6 | 10,21 | 16,9 | 125 | 75 | 1,01 | 1,23 |
| 2 | current user | 47 | 24,34 | No | 108 | 256 | 516 | 21,00 | 140,7 | 4,69 | 17 | 107,5 | 70 | 0,67 | 1,23 |
| 2 | current user | 47 | 24,57 | Yes | 142 | 177 | 131 | 40,00 | 110,8 | 7,06 | 17,14 | 135 | 85 | 0,85 | 1,23 |
| 2 | current user | 49 | 24,17 | No | 87 | 206 | 190 | 31,00 | 137 | 2,29 | 17,86 | 122,5 | 80 | 0,36 | 1,25 |
| 2 | current user | 39 | 22,55 | Yes | 106 | 263 | 607 | 15,00 | 130,4 | 5,29 | 18,52 | 110 | 80 | 0,72 | 1,27 |
| 2 | current user | 50 | 23,81 | No | 112 | 188 | 149 | 28,00 | 130,2 | 2,48 | 18,62 | 132,5 | 95 | 0,39 | 1,27 |
| 2 | current user | 40 | 26,60 | No | 92 | 186 | 97 | 39,00 | 127,6 | 10,57 | 19,1 | 100 | 80 | 1,02 | 1,28 |
| 2 | current user | 49 | 27,22 | Yes | 130 | 189 | 379 | 24,00 | 89,2 | 6,79 | 20,05 | 130 | 90 | 0,83 | 1,30 |
| 2 | current user | 38 | 17,61 | No | 76 | 194 | 62 | 53,00 | 128,6 | 6,62 | 20,1 | 120 | 70 | 0,82 | 1,30 |
| 2 | current user | 43 | 26,26 | Yes | 89 | 197 | 158 | 53,00 | 112,4 | 6,88 | 21 | 120 | 80 | 0,84 | 1,32 |
| 2 | current user | 44 | 24,02 | No | 107 | 146 | 84 | 27,00 | 102,2 | 2,60 | 23,14 | 121 | 80,5 | 0,41 | 1,36 |
| 2 | current user | 39 | 15,57 | No | 89 | 203 | 105 | 49,00 | 133 | 5,62 | 23,95 | 110 | 72,5 | 0,75 | 1,38 |
| 2 | current user | 41 | 32,01 | Yes | 88 | 181 | 86 | 39,00 | 124,8 | 18,17 | 26,67 | 100 | 70 | 1,26 | 1,43 |
| 2 | current user | 41 | 29,07 | No | 128 | 314 | 521 | 40,00 | 87,3 | 6,26 | 28,38 | 125 | 87,5 | 0,80 | 1,45 |
| 2 | current user | 45 | 25,19 | Yes | 91 | 176 | 213 | 27,00 | 106,4 | 8,60 | 28,81 | 140 | 60 | 0,93 | 1,46 |
| 2 | current user | 42 | 30,08 | Yes | 80 | 200 | 88 | 36,00 | 146,4 | 1,46 | 29,24 | 140 | 90 | 0,16 | 1,47 |
| 2 | current user | 46 | 25,20 | Yes | 83 | 267 | 242 | 34,00 | 184,6 | 13,40 | 30,95 | 100 | 70 | 1,13 | 1,49 |
| 2 | current user | 44 | 31,31 | Yes | 114 | 216 | 123 | 40,00 | 151,4 | 10,20 | 33,86 | 130 | 87,5 | 1,01 | 1,53 |
| 2 | current user | 49 | 24,58 | Yes | 145 | 173 | 162 | 33,00 | 107,6 | 8,54 | 37,33 | 110 | 70 | 0,93 | 1,57 |
| 2 | current user | 37 | 24,51 | No | 83 | 224 | 233 | 28,00 | 149,4 | 1,14 | 40,14 | 90 | 70 | 0,06 | 1,60 |
| 2 | current user | 49 | 19,72 | No | 84 | 211 | 265 | 34,00 | 124 | 0,88 | 40,95 | 90 | 70 | -0,06 | 1,61 |
| 2 | current user | 41 | 27,18 | No | 91 | 218 | 224 | 26,00 | 147,2 | 3,24 | 53,38 | 110 | 70 | 0,51 | 1,73 |
| Mean | | 43,8 | 24,4 | | | | | | | 6,51 | 11,46 | 114,50 | 76,40 | 0,73 | 0,81 |
| SD | | 4,3 | 4,0 | | | | | | | 3,7 | 10,9 | 14,9 | 10,4 | 0,3 | 0,5 |
| n | | 88 | 88 | | | | | | | 88 | 88 | 88 | 88 | 88 | 88 |

a) mean age, b) Body mass index (BMI) which is calculated by dividing the weight (Kg) by squared height (m²), c) the comparison of the frequency of those who never smoked cigarette with those who were cigarette smokers between two groups, d) Fasting blood glucose; Normal (<126 mg/dl) and Diabetic (FBG≥ 126 mg/dl), e) Cholesterol; Normal (<240 mg/dl) and Hypercholesterolemia (>240 mg/dl), f) Triglyceride; Normal (<200 mg/dl) and Hypertriglyceridemia (>200 mg/dl), g) High density lipoprotein; Normal (>40 mg/dl) and Low HDL (<40 mg/dl), h) Low density lipoprotein; Normal (<130 mg/dl) and High LDL (>130mg/dl), i) Blood pressure; Normal (<140/90) and Hypertensive (>140/90), j). Because the two variables of adiponectin (uniteµg/ml) and leptin(uniteµg/ml) were not normally distributed, we logarithmically transformed them.