**Supplementary Material 2**

**Table 1.** Studies Truly Representative and With a Justified Sample Size According to the Newcastle-Ottawa Scale

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Studies (first author)** | **Representativeness** | **Sample size** | **Non-response rate** | **Assessment of the outcome** | **Statistical test** |
| Amouzegar (1996) [1] | A | A | B | C | A |
| Hadaegh (2006) [2] | A | A | A | C | A |
| Lee (2007) [3] | A | A | A | C | A |
| Jia (2007) [4] | A | A | A | C | A |
| Moazzami (2009) [5] | A | A | A | C | A |
| Wang (2009) [6] | A | A | C | C | A |
| Suliga (2010) [7] | A | A | A | C | A |
| Benziger (2010) [8] | A | A | A | C | A |
| Perini (2011) [9] | A | A | C | C | A |
| Zhu (2017) [10] | A | A | A | C | A |

**Table 2.** Other Criteria Used to Define Metabolic Alterations

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Lee [3]** | **Kim [11]** | **Buscemi [12]** |
| Absolutely required | None | None | None |
| Criteria | At least 1 | At least 1 | At least 2 |
| Blood pressure | ≥ 140/90 mm Hg | ≥ 130/85 mm Hg | ≥ 130/85 mm Hg |
| Fasting triglycerides | - | ≥ 150 mg/dL | ≥ 150 mg/dL |
| High-density lipoprotein (HDL) cholesterol | - | < 40 mg/dL (men)< 50 mg/dL (women) | < 40 mg/dL (men)< 50 mg/dL (women) |
| Total cholesterol | ≥ 240 mg/dL | - | > 200 mg/dL |
| Higher fasting blood sugar | ≥ 126 mg/dL | ≥ 100 mg/dL | - |
| Other | HOMA-IR score ≥ 2.5 | Ultrasound-based presence of fatty liver |  |

**Figure 1.** Forest plot of the prevalence of all the studies.



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