**SUPPLEMENTAL FIGURE LEGENDS**

**Supplemental Figure 1.** Flowchart for the search strategy – dobutamine stress echocardiography (DSE). C:\Users\jonat\AppData\Local\Microsoft\Windows\INetCache\Content.Word\Supplemental Figure 1.tif

**Supplemental Figure 2.** Flowchart for the search strategy – myocardial perfusion scintigraphy (MPS).

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**Supplemental Figure 3.** Forest Plot for Diagnostic Odds Ratio – dobutamine stress echocardiography (DSE). C:\Users\jonat\AppData\Local\Microsoft\Windows\INetCache\Content.Word\Supplemental Figure 3.tif

**Supplemental Figure 4**. Forest plot for positive likelihood ratio – dobutamine stress echocardiography (DSE). C:\Users\jonat\AppData\Local\Microsoft\Windows\INetCache\Content.Word\Supplemental Figure 4.tif

**Supplemental Figure 5**. Forest plot for negative likelihood ratio – dobutamine stress echocardiography (DSE). C:\Users\jonat\AppData\Local\Microsoft\Windows\INetCache\Content.Word\Supplemental Figure 5.tif

**Supplemental Figure 6**. Asymmetrical S-ROC Curve – dobutamine stress echocardiography (DSE). C:\Users\jonat\AppData\Local\Microsoft\Windows\INetCache\Content.Word\Supplemental Figure 6.tif

**Supplemental Figure 7.** Forest Plot for Diagnostic Odds Ratio – myocardial perfusion scintigraphy (MPS). C:\Users\jonat\AppData\Local\Microsoft\Windows\INetCache\Content.Word\Supplemental Figure 7.tif

**Supplemental Figure 8**. Forest Plot for positive Likelihood Ratio – myocardial perfusion scintigraphy (MPS). C:\Users\jonat\AppData\Local\Microsoft\Windows\INetCache\Content.Word\Supplemental Figure 8.tif

**Supplemental Figure 9**. Forest Plot for negative Likelihood Ratio – myocardial perfusion scintigraphy (MPS). C:\Users\jonat\AppData\Local\Microsoft\Windows\INetCache\Content.Word\Supplemental Figure 9.tif

**Supplemental Figure 10**. Asymmetrical S-ROC Curve – myocardial perfusion scintigraphy (MPS). C:\Users\jonat\AppData\Local\Microsoft\Windows\INetCache\Content.Word\Supplemental Figure 10.tif

**Supplemental table 1.** Characteristics of the population of each study – dobutamine stress echocardiography (DSE).

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Study** | **Number of patients** | **Median age** | **Male** | **DM** | **SAH** | **Hyperlipidemia** | **Smoking** | **Previously diagnosed CAD** | **Beta-blocker use** |
| Ibrahim et al. [13] | 366 | 56 | 249 | 124 | 131 | 62 | 80 | 40 | 153 |
| Donovan et al. [14] | 190 | 50 | 98 | 30 | 43 | 33 | 101 | 7 | NA |
| Findlay et al. [15] | 117 | 52 | 61 | 20 | 23 | NA | NA | NA | NA |
| Harinstein et al. [16] | 105 | 61 | 45 | 20 | 29 | 13 | 19 | NA | 53 |
| Plotkin et al. [17] | 40 | 52 | 23 | 20 | 19 | NA | 17 | 8 | NA |
| Ramrakhiani et al. [18] | 201 | NA | NA | NA | NA | NA | NA | NA | NA |
| Tsutsui et al. [19] | 230 | 56 | 136 | 58 | 69 | 23 | 69 | 11 | NA |
| Umphrey et al. [20] | 157 | 55 | 112 | 16 | 31 | NA | 91 | NA | 29 |
| Snipelisky et al. [21] | 66 | 59 | 45 | 30 | 47 | 14 | 20 | NA | NA |
| Patel et al. [22] | 420 | 56 | 279 | 120 | 161 | 112 | 150 | NA | NA |

DM, Diabetes Mellitus; SAH, Systemic Arterial Hypertension; CAD, Coronary Artery Disease; NA, Not available.

**Supplemental table 2.** Characteristics of the population of each study – myocardial perfusion scintigraphy (MPS).

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Study** | **Number of patients** | **Median age** | **Male** | **DM** | **SAH** | **Hyperlipidemia** | **Smoking** | **Previously diagnosed CAD** | **Beta-blocker use** |
| Baker et al. [23] | 74 | 59 | 52 | 30 | 40 | 14 | 38 | NA | NA |
| Kryzhanovski et al. [24] | 63 | 54 | 45 | NA | NA | NA | NA | 8 | NA |
| Senzolo et al. [25] | 24 | 49 | 18 | 7 | 2 | 0 | 10 | NA | NA |
| Kandiah et al. [26] | 93 | NA | NA | NA | NA | NA | NA | NA | NA |
| Oprea-Lager et al. [27] | 156 | 49 | 108 | 28 | 20 | 22 | 47 | NA | NA |
| Davidson et al. [28] | 83 | 56 | 48 | 26 | 21 | 6 | 43 | NA | NA |
| Aydinalp et al. [29] | 389 | 55 | 254 | 119 | 167 | 207 | 136 | 25 | NA |
| Zoghbi et al. [30] | 87 | 58 | 55 | 26 | 23 | 2 | 11 | 2 | 33 |
| Bezinover et al. [31] | 173 | NA | NA | NA | NA | NA | NA | NA | NA |
| Bhutani et al. [32] | 414 | 60 | 248 | 234 | 201 | 71 | 167 | NA | NA |

DM, Diabetes Mellitus; SAH, Systemic Arterial Hypertension; CAD, Coronary Artery Disease; NA, Not available.

Supplemental material Search Strategy

Search Strategy for Scopus, 28 August 2015:

**DSE:** TITLE-ABS-KEY ( 'echocardiography'/exp OR 'echocardiography' AND ( 'dobutamine'/exp OR 'dobutamine' ) OR 'stress echocardiography'/exp OR 'stress echocardiography' AND ('liver transplantation'/exp OR 'liver transplantation' ) )

**MPS:** TITLE-ABS-KEY ( 'myocardial perfusion imaging' OR 'heart scintiscanning' OR 'myocardial perfusion scintigraphy' AND 'liver transplantation' )

Search Strategy for Web of Science, 28 August 2015:

**DSE:** Topic: ("DOBUTAMINE STRESS ECHOCARDIOGRAPHY") *AND* Topic: ("liver transplantation")

**MPS:** Topic: ("myocardial perfusion scintigraphy") *OR* Topic: ("emission-computed tomography") *OR* Topic: ("myocardial perfusion imaging") *AND* Topic: ("liver transplantation") Refined by: Topic: ("liver transplantation")

Search Strategy for EMBASE, 28 August 2015:

**DSE:** 'echocardiography'/exp OR 'echocardiography' AND ('dobutamine'/exp OR 'dobutamine') OR 'stress echocardiography'/exp OR 'stress echocardiography' AND ('liver transplantation'/exp OR 'liver transplantation')

**MPS:** 'myocardial perfusion imaging' OR 'heart scintiscanning' AND 'liver transplantation'

Search Strategy for PubMed/MEDLINE, 22 August 2015:

**DSE:** ("Echocardiography"[MAJR] AND "Dobutamine/diagnostic use"[MAJR]) OR ("Echocardiography, Stress"[MAJR] OR "Echocardiography, Stress/methods"[MAJR] OR "Echocardiography/methods"[MAJR]) AND ("Liver Transplantation\*/mortality"[MAJR] OR "Liver Transplantation/adverse effects"[MAJR] OR "Liver Transplantation"[MeSH Terms])

**MPS:** ("Myocardial Perfusion Imaging"[MAJR] OR "Myocardial Perfusion Imaging/methods"[MAJR] OR "Heart/radionuclide imaging"[MAJR] OR "Coronary Artery Disease/radionuclide imaging"[MAJR]) AND ("Liver Transplantation\*/mortality"[MAJR] OR "Liver Transplantation/adverse effects"[MAJR] OR "Liver Transplantation"[MeSH Terms])

Search Strategy for BIREME, 22 August 2015:

**DSE:** (tw:(ecocardiografia)) AND (tw:(dobutamina)) AND (tw:(transplante de fígado)) // (tw:(ecocardiografia sob estresse)) AND (tw:(transplante de fígado))

**MPS:** (tw:(Imagem de Perfusão do Miocárdio)) AND (tw:(transplante de fígado))

Search Strategy for LILACS, 22 August 2015:

**DSE:** (“ecocardiografia” OR “echocardiography”) AND (“dobutamina” or “dobutamine”) and (“transplante de fígado” OR “Trasplante de Hígado” OR “liver transplantation”)

(“ ecocardiografia sob estresse” OR “Ecocardiografía de Estrés” OR “stress echocardiography”) AND (“transplante de fígado” OR “Trasplante de Hígado” OR “liver transplantation”)

**MPS:** (“Myocardial Perfusion Imaging” OR “Imagen de Perfusión Miocárdica” OR “Imagem de Perfusão do Miocárdio”) AND (“transplante de fígado” OR “Trasplante de Hígado” OR “liver transplantation”)

Search Strategy for Cochrane Central, 22 August 2015:

**DSE:** "echocardiography" AND "dobutamine" AND "liver transplantation"

**MPS:** “Myocardial Perfusion Imaging” AND “liver transplantation”

Search Strategy for Opengray.eu, 22 August 2015:

**DSE:** ("echocardiography" AND "dobutamine") AND ("liver transplantation")

**MPS:** “Myocardial Perfusion Imaging” AND “liver transplantation”