**Supplement**

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| --- | --- | --- |
| **Classification systems for central venous stenosis / vein patency** |  |  |
| **Anatomic region.** |  |  |
| Stenosis in * Superior vena cava
* Brachiocephalic
* Subclavian vein
 | Asif, Salman et al. 20091 |
| **Degree of central venous stenosis** |  |
| * New stenosis: 50% diameter reduction in a venous segment when compared to baseline
 | Korkeila, Nyman et al. 20072 |
| * Mild; ≤20%
* Moderate; 21% to 69%
* Severe; 70% to 99%
* Occlusion; 100%
 | Da Costa, Scalabrini Neto et al. 20023 |
| * Patent
* Partially obstructed (>70%)
* Completely obstructed
 | Haghjoo, Nikoo et al. 20074 |
| * Patent
* Mild degree obstruction (50–75% narrowing)
* Severe obstruction (≥75% narrowing)
* Total obstruction
 | Bulur, Vural et al. 20105 |
| * No stenosis; <50%
* Mild stenosis; 50% to 74%
* Moderate stenosis; 75% to 89%
* Severe stenosis; 90% to 99%
* Total occlusion
 | Sticherling, Chough et al. 20016 |
| * 50% or more narrowing of the central veins of the thorax that included the superior vena cava, brachiocephalic vein, subclavian vein, and subclavian-cephalic vein junction.
 | MacRae, Ahmed et al. 20057 |
| **Subclavian vein patency** |  |
| * Normal
* Equivocal
* Abnormal
 | Barrett, Spencer et al. 19888 |
| * Normal
* Abnormal; >30% narrowing of the vessel lumen diameter, with or without collateral flow
 | Hernandez, Diaz et al. 19989 |
| **Degree of collateral circulation** |  |
| * Mild; 1 vessel, lower flow
* Moderate; 2 vessels, moderate flow
* Important; ≥ 3 vessels, adequate flow
 | Da Costa, Scalabrini Neto et al. 20023 |

## Supplemental eTable 1. Classification systems used in literature

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Interrater reliability** | Observations (n) | Agreement (n) | Percent agreement | Kappa | P |
| **Baseline** |  |  |  |  |  |
| Central Venous Stenosis | 48 | 47 | 97.9 | n.a.\* | n.a.\* |
| Collateral Circulation | 48 | 46 | 95.8 | 0.32 (0.16) | 0.000 |
| **Follow-up** |  |  |  |  |  |
| Central Venous Stenosis | 55 | 53 | 96.4 | 0.93 (0.05) | 0.000 |
| Collateral Circulation | 55 | 48 | 87.3 | 0.66 (0.09) | 0.000 |

## Supplemental eTable 2. Interrater reliability

N.a. not applicable. \*Kappa could not be calculated because rater 1 had rated all images as "patent".



## Supplemental eFigure 1. Kaplan-Meier plot of survival since ICD implantation

Note: Supplemental Figure 1 differs from Supplemental Figure 6. Kaplan–Meier curves for survival per treatment group (PP population), published previously online in Circulation10, as Supplemental Figure 1 shows survival from ICD implantation and Supplemental Figure 6 depicts survival from randomization.

# References

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