Supplementary table 1.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | CS | | | |  |  |
|  |  | 0 | 1 | 2 | 3 | 4 | Total |
| conventional | 0 | 130 | 8 | 0 | 2 | 0 | 140 |
|  | 1 | 4 | 1 | 1 | 3 | 0 | 9 |
|  | 2 | 2 | 1 | 0 | 2 | 1 | 6 |
|  | Total | 136 | 10 | 1 | 7 | 1 | 155 |

Objective image quality criteria comparison between conventional and CS cines. Points were awarded according to a standardized item catalogue with higher scores representing worse quality. A maximum of 12 points could be awarded. As no conventional acquisition was awarded more than 2 points and no CS acquisition was rated with more than 4 points in total, the table was shortened appropriately. There was no statistically significant difference between the groups (p= 0.174). *CS* =compressed sensing

Supplementary table 2.

|  |  |  |
| --- | --- | --- |
| Criteria | Conventional cine (N=) | Compressed sensing cine (N=) |
| LV coverage | 10 | 13 |
| Wrap around | 0 | 9 |
| Respiratory ghost | 7 | 18 |
| Cardiac ghost | 7 | 37 |
| Metallic artifacts | 14 | 18 |
| Shimming artifacts | 3 | 3 |
| Signal loss | 0 | 0 |
| Orientation | 2 | 0 |

Adapted objective image quality criteria responsible for non-zero scores for the respective sequences presented as the total number (N=). Modified from Klinke et al. (22).

Supplementary table 3.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | CS | | | |  |
|  |  | Excellent | Good | Moderate | Poor | Total |
| conventional | Excellent | 59 | 43 | 14 | 0 | 116 |
| Good | 6 | 11 | 12 | 0 | 29 |
| Moderate | 0 | 2 | 6 | 1 | 9 |
| Poor | 0 | 1 | 0 | 0 | 1 |
|  | Total | 65 | 57 | 32 | 1 | 155 |

Subjective image quality criteria comparison between conventional and CS cines. Subjective image quality scores: 4= excellent, no artifacts; 3= good, minor artifacts; 2= moderate, some artifacts; 1= poor, nondiagnostic due to artifacts. There was a statistically significant difference between the sequences (p<0,001) with better subjective image quality found in the conventional cine. *CS* =compressed sensing