

Table.

1.

| All Nodule (32* 5 readers) | | % difference in two time points from session 1 Mean (SD) | % difference in two time points from session 3 Mean (SD) |
|----------------------------|--------------|--|--|
| | 1D: Distance | 12.84% (20.88) | 9.88% (14.90) |
| | 2D: Manual | 26.40% (64.94) | 17.73% (32.54) |
| | 3D: Volume | 38.03% (114.32) | 28.50% (65.12) |

The absolute changes of 1D, 2D, and 3D using the 1st session or 3rd session are not statistically different, though numerically different (test: the mixed effect model and nested ANOVA) (P>0.05).

| All Nodule (32* 5 readers) | | % difference in two time points from session 1 Mean (SD) | % difference in two time points from session 3 Mean (SD) |
|--|--------------|--|--|
| Measurable as RECIST Target lesion (28 lesions) | 1D: Distance | 11.97% (21.77) | 8.41 (13.83) |
| | 2D: Manual | 25.35% (68.92) | 16.05 (32.51) |
| | 3D: Volume | 32.40% (101.22) | 29.40 (68.46) |
| Not Measurable as RECIST Target lesion (4 lesions) | 1D: Distance | 18.93% (11.79) | 20.19 (18.15) |
| | 2D: Manual | 33.74% (21.93) | 29.54 (31.00) |
| | 3D: Volume | 77.42 % (180.43) | 22.23 (34.06) |

| All Nodule (32* 5 readers) | | % difference in two time points N, Mean (SD) Session 2 from 1 | % difference in two time points N, Mean (SD) Session 2 from 3 |
|--------------------------------------|--------------|---|---|
| Simple <12% in all (1D, 2D, and 3D). | 1D: Distance | N=9, 3.03% (2.93) | N=7, 4.10% (3.43) |
| | 2D: Manual | N=9, 6.69% (5.64) | N=7, 6.60% (5.89) |
| | 3D: Volume | N=9, 9.31% (10.37) | N=7, 5.59% (4.92) |
| Moderate | 1D: Distance | N=15, 12.80% (17.48) | N=12, 9.59% (10.22) |
| | 2D: Manual | N=15, 20.03% (20.84) | N=12, 14.60% (19.47) |
| | 3D: Volume | N=15, 13.38% (12.60) | N=12, 18.91% (19.58) |
| Difficult >=12% in 2D and 3D | 1D: Distance | N=8, 23.96% (30.83) | N=13, 13.26 (20.47) |
| | 2D: Manual | N=8, 60.52% (120.89) | N=13, 26.63 (45.88) |
| | 3D: Volume | N=8, 116.55 % (210.75) | N=13, 49.69 (96.65) |

The simple cases are defined if the mean from 5 readers in the absolute value of the percent difference are <12% in all three measurements (1D, 2D, and 3D).

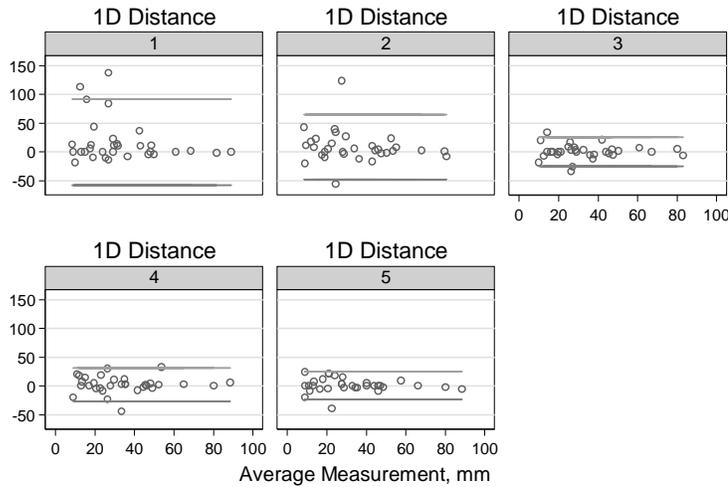
The difficult cases are defined if the mean from 5 readers in the absolute value of the percent difference are >=12% in all two measurements (2D, and 3D).

The Moderate cases are from the rest of cases.

The simple cases turned out to be solid and *measurable as RECIST target lesion*, mostly had no cavity (8/9), connected to nearby anatomical structure (7/9), included vessel in the lesion (8/9), and spiculated (7/9).

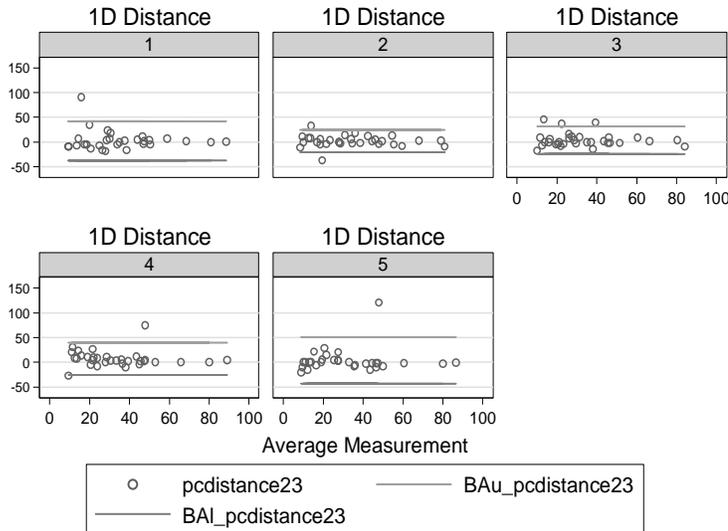
The difficult cases turned out to be mostly *measurable as RECIST target lesion* (2/8), mostly had no cavity (7/8), connected to nearby anatomical structure (5/8), included vessel in the lesion (6/8), and spiculated (6/8) and solid (6/8).

Repeated Scan by Reader 1 to 5
Session 2 from 1



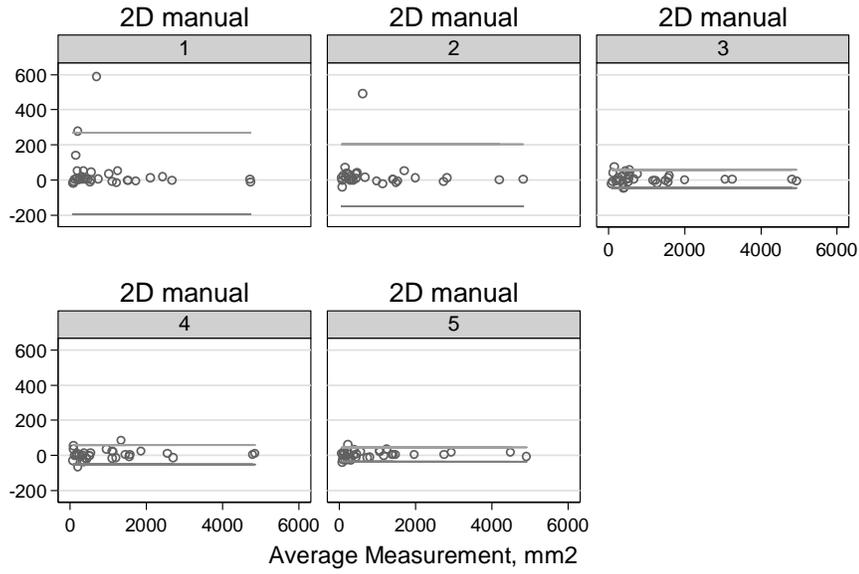
Graphs by Reader

Session 3 from 1



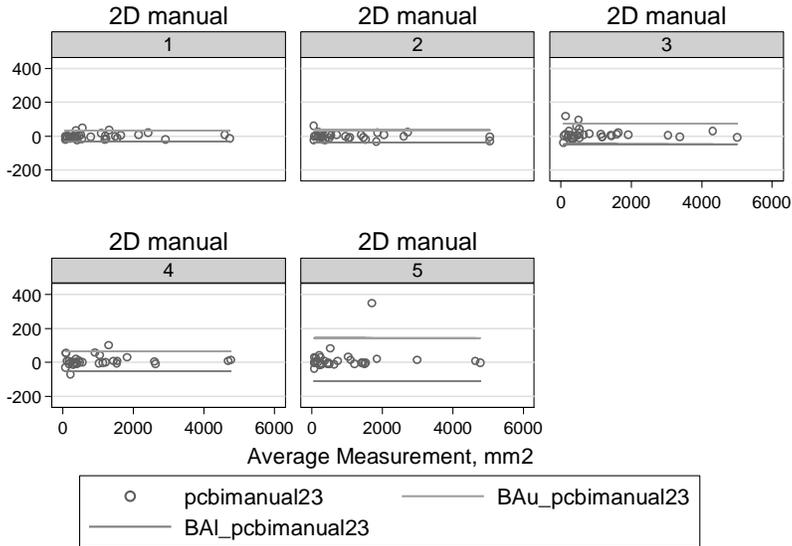
Graphs by Reader

Session 2 from 1



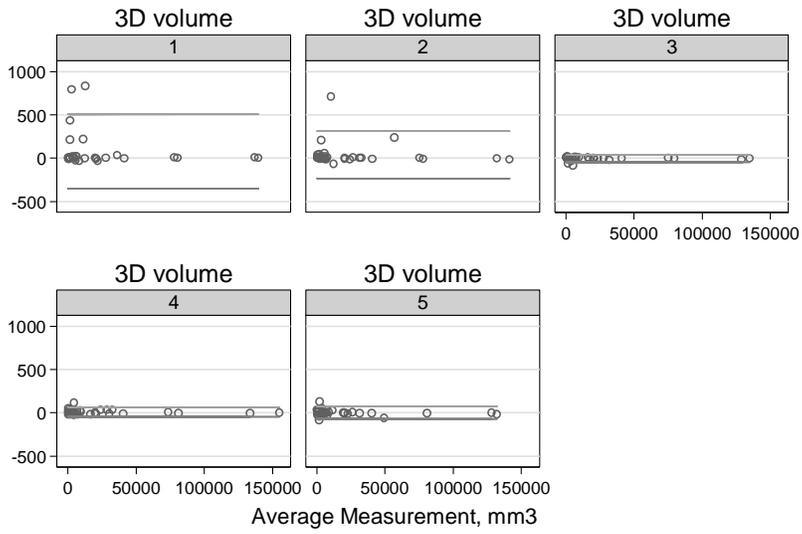
Graphs by Reader

Session 2 from 3



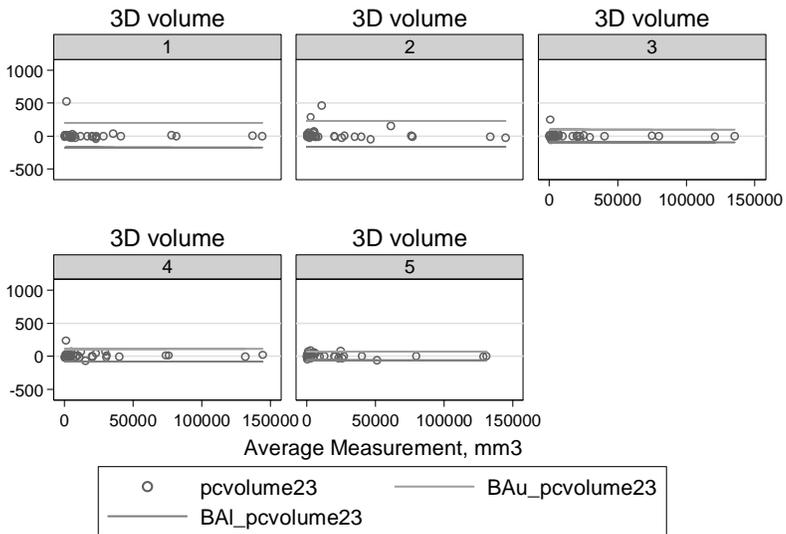
Graphs by Reader

Session 2 from 1

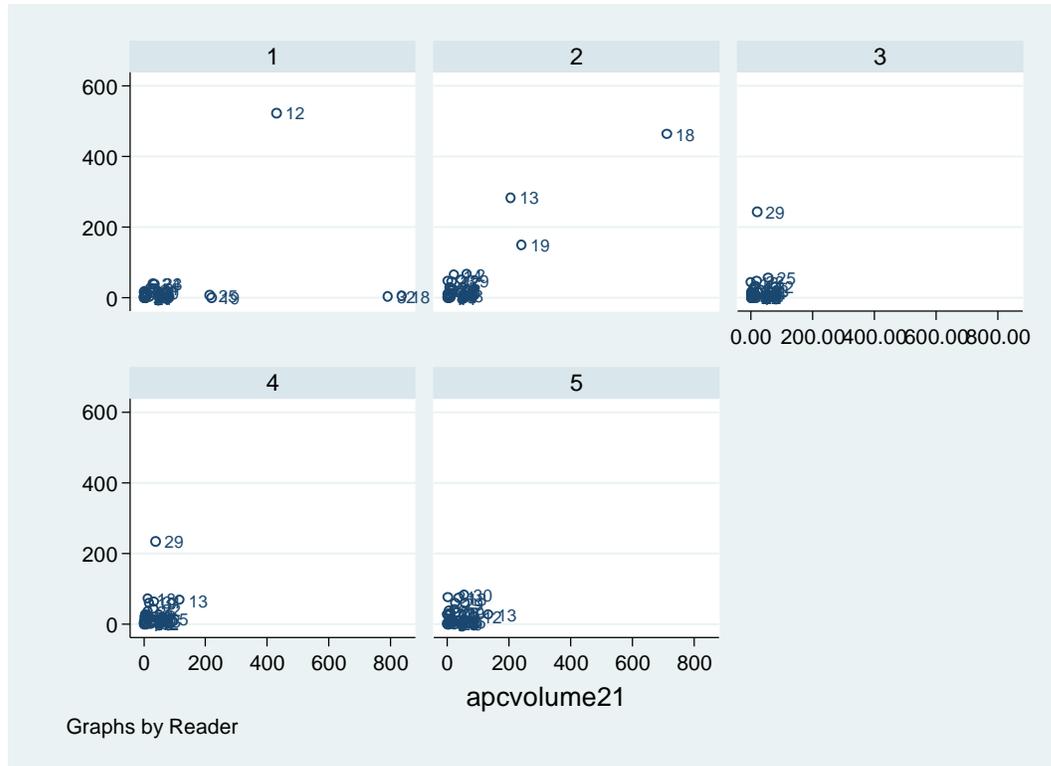


Graphs by Reader

Session 2 from 3



Graphs by Reader



| | subject | volume1 | volume2 | volume3 | reader |
|------|---------|---------|---------|---------|--------|
| 143. | 29 | 1303 | 1563 | 455 | 3 |
| 144. | 29 | 1317 | 1813 | 542 | 4 |