Phase 1 IntraRR

| **3D Measurement** | **Rater A** | | | **Rater B** | | | **Rater C** | | | **Rater D** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ICC** | **Lower 95% CI** | **Upper 95% CI** | **ICC** | **Lower 95% CI** | **Upper 95% CI** | **ICC** | **Lower 95% CI** | **Upper 95% CI** | **ICC** | **Lower 95% CI** | **Upper 95% CI** |
| AA\_C | 0.9440 | 0.835 | 0.985 | 0.8170 | 0.466 | 0.950 | 0.4020 | -0.656 | 0.835 | 0.8160 | 0.485 | 0.949 |
| BGl\_C | 0.6750 | -0.012 | 0.914 | 0.7700 | 0.331 | 0.938 | -0.201 | -4.682 | 0.787 | 0.8860 | 0.677 | 0.969 |
| BiW\_C | 0.7450 | 0.275 | 0.930 | 0.2670 | -0.612 | 0.774 | 0.7340 | 0.246 | 0.927 | 0.0629 | -0.370 | 0.592 |
| BiW\_L | 0.8590 | 0.546 | 0.963 | 0.6870 | 0.153 | 0.912 | 0.8660 | 0.623 | 0.963 | 0.5940 | -0.097 | 0.886 |
| ChCh\_C | 0.9680 | 0.907 | 0.992 | 0.9160 | 0.758 | 0.977 | 0.9220 | 0.779 | 0.979 | 0.6870 | 0.105 | 0.921 |
| GoSub\_C | 0.4180 | -0.596 | 0.850 | 0.8700 | 0.609 | 0.968 | 0.6650 | -0.071 | 0.926 | 0.9120 | 0.723 | 0.978 |
| NRB\_L | 0.8910 | 0.693 | 0.970 | 0.8860 | 0.655 | 0.969 | 0.8650 | 0.617 | 0.963 | 0.8240 | 0.409 | 0.954 |
| ProA\_L | 0.8240 | 0.486 | 0.952 | 0.8430 | 0.558 | 0.957 | 0.7180 | 0.229 | 0.922 | 0.8720 | 0.617 | 0.966 |
| ProA\_C | 0.7150 | 0.150 | 0.924 | 0.7510 | 0.302 | 0.932 | 0.6120 | -0.048 | 0.892 | 0.8270 | 0.479 | 0.954 |
| ProS\_C | 0.9070 | 0.730 | 0.975 | 0.5500 | -0.322 | 0.879 | 0.7520 | 0.244 | 0.934 | 0.8930 | 0.697 | 0.971 |
| ProS\_L | 0.9380 | 0.817 | 0.983 | 0.6070 | -0.085 | 0.892 | 0.8140 | 0.435 | 0.950 | 0.8610 | 0.601 | 0.962 |
| SelP\_C | 0.8990 | 0.716 | 0.972 | 0.9320 | 0.807 | 0.982 | 0.8100 | 0.432 | 0.949 | 0.8900 | 0.679 | 0.970 |
| SelP\_L | 0.9060 | 0.733 | 0.975 | 0.9450 | 0.843 | 0.985 | 0.8200 | 0.460 | 0.952 | 0.8880 | 0.668 | 0.970 |
| SelDH\_C | 0.6980 | 0.155 | 0.916 | 0.6920 | 0.134 | 0.914 | 0.5420 | -0.463 | 0.880 | -0.277 | -1.040 | 0.727 |
| SelM\_L | 0.9580 | 0.872 | 0.989 | 0.9340 | 0.803 | 0.984 | 0.8790 | 0.576 | 0.977 | 0.6970 | -0.031 | 0.941 |
| SnasM\_L | 0.9330 | 0.798 | 0.983 | 0.9170 | 0.713 | 0.980 | 0.8700 | 0.533 | 0.975 | 0.5000 | -0.136 | 0.884 |
| SmanM\_C | 0.6610 | 0.041 | 0.914 | 0.8580 | 0.579 | 0.965 | 0.3690 | -2.046 | 0.890 | 0.6410 | -0.092 | 0.927 |
| SmanM\_L | 0.6080 | -0.086 | 0.899 | 0.8100 | 0.438 | 0.953 | 0.4640 | -1.507 | 0.906 | 0.6910 | -0.022 | 0.939 |
| SnasM\_C | 0.9470 | 0.838 | 0.987 | 0.9210 | 0.755 | 0.981 | 0.8890 | 0.591 | 0.979 | 0.6260 | -0.090 | 0.923 |
| TrHO\_C | 0.9260 | 0.778 | 0.982 | 0.7810 | 0.336 | 0.945 | 0.9280 | 0.717 | 0.989 | 0.8940 | 0.593 | 0.984 |
| TrEJ\_C | 0.9180 | 0.665 | 0.981 | 0.8760 | 0.601 | 0.970 | 0.9390 | 0.810 | 0.985 | 0.7360 | 0.222 | 0.934 |
| TrGo\_C | 0.8690 | 0.547 | 0.972 | 0.7620 | 0.259 | 0.947 | 0.8220 | 0.403 | 0.961 | 0.7690 | 0.248 | 0.949 |
| TrSel\_C | 0.9870 | 0.960 | 0.997 | 0.9670 | 0.869 | 0.992 | 0.9370 | 0.810 | 0.984 | 0.9410 | 0.822 | 0.985 |
| TrSman\_C | 0.7110 | 0.100 | 0.936 | 0.9650 | 0.888 | 0.992 | 0.7650 | 0.162 | 0.956 | 0.9110 | 0.701 | 0.981 |
| TrSnas\_C | 0.9950 | 0.983 | 0.999 | 0.0408 | -1.913 | 0.762 | 0.9660 | 0.885 | 0.992 | 0.9580 | 0.869 | 0.990 |
| TrTr\_C | 0.9880 | 0.963 | 0.997 | 0.9880 | 0.944 | 0.997 | 0.9710 | 0.910 | 0.993 | 0.9810 | 0.939 | 0.995 |
| TrTr\_L | 0.9780 | 0.935 | 0.995 | 0.9510 | 0.829 | 0.988 | 0.3900 | -0.402 | 0.828 | 0.7440 | 0.260 | 0.935 |

Phase 3 IntraRR

| **3D Measurement** | **Rater A** | | | **Rater B** | | | **Rater C** | | | **Rater D** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ICC** | **Lower 95% CI** | **Upper 95% CI** | **ICC** | **Lower 95% CI** | **Upper 95% CI** | **ICC** | **Lower 95% CI** | **Upper 95% CI** | **ICC** | **Lower 95% CI** | **Upper 95% CI** |
| AA\_C | 0.987 | 0.963 | 0.996 | 0.974 | 0.927 | 0.993 | 0.974 | 0.925 | 0.993 | 0.969 | 0.885 | 0.992 |
| BGl\_C | 0.960 | 0.871 | 0.991 | 0.974 | 0.927 | 0.993 | 0.856 | 0.588 | 0.961 | 0.947 | 0.832 | 0.987 |
| BiW\_C | 0.917 | 0.765 | 0.977 | 0.944 | 0.832 | 0.985 | 0.849 | 0.523 | 0.960 | 0.962 | 0.861 | 0.990 |
| BiW\_L | 0.924 | 0.784 | 0.979 | 0.915 | 0.740 | 0.977 | 0.692 | 0.115 | 0.915 | 0.926 | 0.791 | 0.980 |
| ChCh\_C | 0.984 | 0.949 | 0.997 | 0.968 | 0.909 | 0.991 | 0.924 | 0.783 | 0.979 | 0.949 | 0.855 | 0.986 |
| GoSub\_C | 0.937 | 0.811 | 0.984 | 0.950 | 0.850 | 0.988 | 0.919 | 0.771 | 0.978 | 0.944 | 0.817 | 0.988 |
| NRB\_L | 0.830 | 0.525 | 0.953 | 0.757 | 0.291 | 0.935 | 0.384 | -0.654 | 0.828 | 0.915 | 0.754 | 0.977 |
| ProA\_L | 0.986 | 0.957 | 0.996 | 0.974 | 0.924 | 0.993 | 0.961 | 0.889 | 0.989 | 0.982 | 0.943 | 0.995 |
| ProA\_C | 0.975 | 0.927 | 0.993 | 0.960 | 0.885 | 0.989 | 0.945 | 0.839 | 0.985 | 0.964 | 0.887 | 0.990 |
| ProS\_C | 0.969 | 0.909 | 0.992 | 0.941 | 0.828 | 0.984 | 0.686 | 0.047 | 0.916 | 0.967 | 0.908 | 0.991 |
| ProS\_L | 0.961 | 0.889 | 0.989 | 0.931 | 0.799 | 0.981 | 0.955 | 0.868 | 0.988 | 0.975 | 0.927 | 0.993 |
| SelP\_C | 0.991 | 0.973 | 0.997 | 0.977 | 0.936 | 0.994 | 0.962 | 0.891 | 0.990 | 0.992 | 0.976 | 0.998 |
| SelP\_L | 0.991 | 0.975 | 0.998 | 0.978 | 0.936 | 0.994 | 0.970 | 0.914 | 0.992 | 0.992 | 0.975 | 0.998 |
| SelDH\_C | 0.926 | 0.787 | 0.980 | 0.920 | 0.719 | 0.979 | 0.503 | -0.278 | 0.859 | 0.943 | 0.836 | 0.985 |
| SelM\_L | 0.995 | 0.979 | 0.999 | 0.969 | 0.899 | 0.993 | 0.977 | 0.924 | 0.995 | 0.997 | 0.990 | 0.999 |
| SnasM\_L | 0.980 | 0.904 | 0.997 | 0.921 | 0.731 | 0.983 | 0.963 | 0.876 | 0.992 | 0.989 | 0.962 | 0.998 |
| SmanM\_C | 0.457 | -1.100 | 0.900 | 0.740 | 0.093 | 0.944 | 0.885 | 0.632 | 0.975 | 0.970 | 0.891 | 0.994 |
| SmanM\_L | 0.522 | -0.812 | 0.912 | 0.692 | -0.089 | 0.934 | 0.879 | 0.613 | 0.973 | 0.964 | 0.875 | 0.993 |
| SnasM\_C | 0.954 | 0.807 | 0.992 | 0.849 | 0.474 | 0.967 | 0.899 | 0.669 | 0.978 | 0.986 | 0.951 | 0.997 |
| TrHO\_C | 0.981 | 0.934 | 0.997 | 0.970 | 0.911 | 0.993 | 0.857 | 0.567 | 0.965 | 0.964 | 0.799 | 0.998 |
| TrEJ\_C | 0.979 | 0.940 | 0.994 | 0.935 | 0.814 | 0.982 | 0.946 | 0.847 | 0.985 | 0.823 | 0.475 | 0.956 |
| TrGo\_C | 0.971 | 0.913 | 0.993 | 0.969 | 0.895 | 0.993 | 0.871 | 0.624 | 0.965 | 0.777 | 0.220 | 0.952 |
| TrSel\_C | 0.993 | 0.979 | 0.998 | 0.990 | 0.972 | 0.997 | 0.993 | 0.980 | 0.998 | 0.732 | 0.204 | 0.933 |
| TrSman\_C | 0.993 | 0.978 | 0.998 | 0.997 | 0.989 | 0.999 | 0.965 | 0.900 | 0.991 | 0.907 | 0.700 | 0.980 |
| TrSnas\_C | 0.971 | 0.917 | 0.992 | 0.988 | 0.964 | 0.997 | 0.983 | 0.950 | 0.995 | 0.740 | 0.235 | 0.935 |
| TrTr\_C | 0.997 | 0.990 | 0.999 | 0.989 | 0.965 | 0.997 | 0.993 | 0.979 | 0.998 | 0.932 | 0.781 | 0.985 |
| TrTr\_L | 0.998 | 0.995 | 1.000 | 0.992 | 0.976 | 0.998 | 0.995 | 0.986 | 0.999 | 0.995 | 0.985 | 0.999 |

InterRR, all phases

| **3D Measurement** | **Phase 1** | | | **Phase 2** | | | **Phase 3** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ICC** | **Lower**  **95% CI** | **Upper**  **95% CI** | **ICC** | **Lower 95% CI** | **Upper 95% CI** | **ICC** | **Lower 95% CI** | **Upper 95% CI** |
| AA\_C | 0.874 | 0.673 | 0.964 | 0.938 | 0.826 | 0.983 | 0.9520 | 0.838 | 0.987 |
| BGl\_C | 0.827 | 0.476 | 0.966 | 0.923 | 0.607 | 0.995 | 0.0432 | -0.002 | 0.224 |
| BiW\_C | -0.201 | -0.718 | 0.575 | 0.641 | 0.069 | 0.898 | 0.6890 | 0.116 | 0.915 |
| BiW\_L | 0.413 | -0.158 | 0.803 | 0.629 | 0.069 | 0.895 | 0.5380 | 0.016 | 0.856 |
| ChCh\_C | 0.886 | 0.598 | 0.973 | 0.885 | 0.607 | 0.970 | 0.9660 | 0.871 | 0.993 |
| GoSub\_C | 0.602 | 0.005 | 0.902 | 0.921 | 0.755 | 0.980 | 0.9230 | 0.779 | 0.983 |
| NRB\_L | 0.757 | 0.253 | 0.935 | 0.365 | -0.051 | 0.759 | 0.2450 | -0.130 | 0.678 |
| ProA\_L | 0.825 | 0.543 | 0.951 | 0.917 | 0.741 | 0.978 | 0.9500 | 0.833 | 0.987 |
| ProA\_C | 0.750 | 0.370 | 0.928 | 0.879 | 0.573 | 0.969 | 0.9310 | 0.778 | 0.982 |
| ProS\_C | 0.715 | 0.279 | 0.919 | 0.674 | 0.152 | 0.915 | 0.8500 | 0.616 | 0.958 |
| ProS\_L | 0.775 | 0.435 | 0.936 | 0.811 | 0.491 | 0.951 | 0.9380 | 0.825 | 0.983 |
| SelP\_C | 0.860 | 0.641 | 0.961 | 0.959 | 0.851 | 0.990 | 0.9670 | 0.892 | 0.991 |
| SelP\_L | 0.865 | 0.654 | 0.962 | 0.960 | 0.861 | 0.990 | 0.9680 | 0.892 | 0.992 |
| SelDH\_C | 0.269 | -0.244 | 0.726 | 0.828 | 0.493 | 0.953 | 0.8250 | 0.497 | 0.952 |
| SelM\_L | 0.864 | 0.434 | 0.975 | 0.666 | 0.099 | 0.929 | 0.8730 | 0.373 | 0.978 |
| SnasM\_L | 0.841 | 0.390 | 0.970 | 0.493 | 0.007 | 0.869 | 0.8090 | 0.239 | 0.970 |
| SmanM\_C | 0.148 | -2.588 | 0.849 | 0.619 | 0.009 | 0.917 | 0.3290 | -0.383 | 0.836 |
| SmanM\_L | 0.285 | -1.895 | 0.872 | 0.656 | 0.063 | 0.927 | 0.2990 | -0.443 | 0.830 |
| SnasM\_C | 0.860 | 0.443 | 0.974 | 0.437 | 0.022 | 0.840 | 0.5210 | 0.009 | 0.881 |
| TrHO\_C | 0.906 | 0.644 | 0.989 | 0.400 | -11.069 | 0.988 | 0.8710 | 0.452 | 0.991 |
| TrEJ\_C | 0.753 | 0.338 | 0.936 | 0.908 | 0.652 | 0.980 | 0.7760 | 0.346 | 0.943 |
| TrGo\_C | 0.783 | 0.317 | 0.951 | 0.850 | 0.531 | 0.966 | 0.8800 | 0.631 | 0.977 |
| TrSel\_C | 0.954 | 0.931 | 0.989 | 0.936 | 0.802 | 0.986 | 0.8660 | 0.641 | 0.966 |
| TrSman\_C | 0.568 | -0.097 | 0.907 | 0.984 | 0.936 | 0.997 | 0.9490 | 0.849 | 0.989 |
| TrSnas\_C | 0.973 | 0.921 | 0.993 | 0.958 | 0.858 | 0.992 | 0.9910 | 0.972 | 0.998 |
| TrTr\_C | 0.976 | 0.900 | 0.994 | 0.982 | 0.938 | 0.996 | 0.9580 | 0.861 | 0.991 |
| TrTr\_L | 0.659 | 0.120 | 0.909 | 0.997 | 0.991 | 0.999 | 0.9890 | 0.963 | 0.997 |