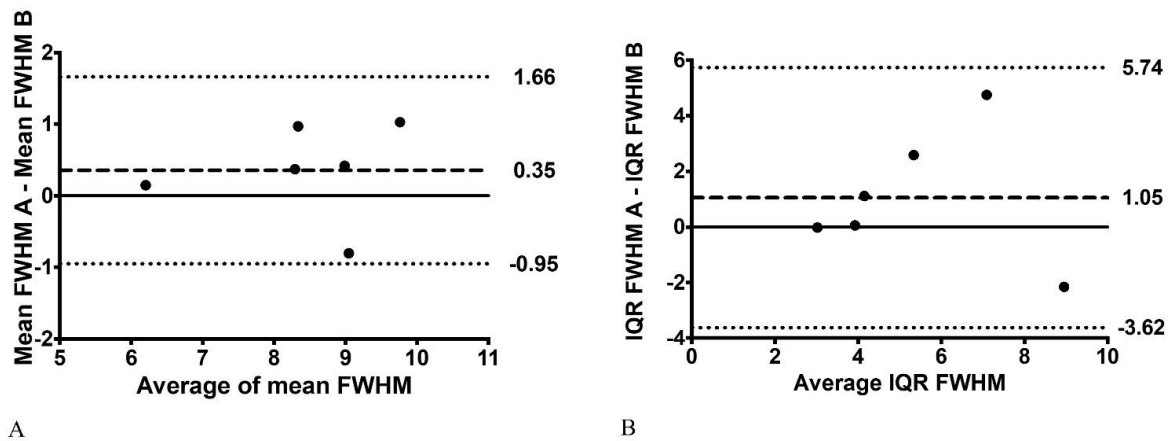


Supplemental Material



A

B

Supplemental figure: Bland Altman plots for mean (A) and interquartile range (B) of full width of half maximum (FWHM), respectively. Bias in dark line and 95% limits of agreement in dotted lines. All metrics in seconds.

Temporal resolution was altered slightly for each case due to the bespoke slice positioning by the MR radiographer on each scan session, we acknowledge this as a potential limitation and this has now been included in the discussion of the manuscript. This is reported in the table below.

Patient	Session A temporal resolution	Session B temporal resolution	%difference
IPF01	0.643	0.598	-7.00%
IPF05	0.643	0.605	-5.91%
IPF06	0.735	0.689	-6.26%
IPF08	0.643	0.605	-5.91%
IPF12	0.689	0.689	0.00%
IPF13	0.643	0.605	-5.91%

IPF04_V2	IPF04_V3	IPF05_V1	IPF05_V2	IPF06_V1	IPF06_V2	IPF06_V3
0	0	0	0	0	0	0
2.101566926	2.407905315	2.628085102		0	0	0 4.779499874
1.782033568	1.17143759	1.635086512		0	0	2.355386149 2.75115271
1.431983214	1.230290405	1.11021529		0 1.183858123	1.901782355	3.434184354
1.430324119	1.272896664	1.142469335	1.562522059	2.016176795	2.567791826	3.31498729
1.427876968	1.323878003	1.160410704	1.448325365	2.09412143	2.353439783	2.657851682
1.363144576	1.313493919	1.254562393	1.48473594	1.57976901	2.253247083	2.503339397
1.557154344	1.414194174	1.499161617	1.348770618	1.977673861	2.574079414	2.912128229
1.694757555	1.343505103	1.863061537	1.618377431	1.96930177	2.308093665	2.469821736
1.847340889	1.562230279	2.021554367	1.594925108	2.832096139	2.461667291	3.282761729
1.84529581	1.662900671	2.431931699	2.059732315	2.969284677	2.640523067	2.723555356
2.304994342	1.701625204	1.819948892	2.128989014	3.276411133	2.6200721	2.074377965
2.248092968	1.6794586	2.053218753	1.980898864	3.248154173	2.749234933	2.646756436
2.240958749	2.041633342	1.906578204	1.820173291	3.405745093	2.779688463	2.361797019
2.325758126	1.893964968	1.823289982	2.118689015	3.368634103	3.01635492	2.719623814
2.761169126	1.797790922	1.939750377	1.766482109	3.082164499	2.841203427	3.285824487
2.789763509	1.402569768	1.805650033	1.836427986	2.885924297	2.923225691	2.599963448
2.9575712	2.278651664	1.527566317	1.826385896	2.381152434	2.53235805	2.531148951
3.221988244	3.676087249	1.810094149	2.296160783	2.476330003	2.658745237	2.272354196
3.985506421	2.462135033	1.649431344	2.090344719	2.889261848	2.443728539	1.816584702
3.946584542	2.580316983	1.046589216	2.221877768	3.196297812	2.131087193	1.499441447
3.964395283	3.165881754		0 1.880610545	2.730593753	2.358672115	1.592662187
6.104966719	0	0	1.656334254	3.12871259	2.53082418	0
0	0	0	0	2.862726276	2.973090537	0
0	0	0	0	4.724100032	0.990286317	0
0	0	0	0	4.526939886	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

IPF17_V3	IPF18_V1	IPF18_V2	IPF18_V3	IPF19_V1	IPF19_V2	IPF19_V3
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1.168610606	0	0	3.830906253	0	0
0	1.253271798	0	0	1.658885603	0	0
2.827951864	1.22524803	0	0	1.564558966	3.427635666	0
1.540879479	1.165875174	5.521600518	1.291000438	1.599392274	2.448697863	2.262754241
1.317347122	1.305487753	2.37133853	1.834717644	1.710520383	1.972744608	2.302455923
1.225564359	1.263676396	1.634827777	1.825278478	1.907156693	2.347054148	1.794889349
1.099896005	1.336268473	1.695441994	1.89559919	1.736656319	2.475332354	2.062546873
1.143975222	1.559081387	1.861157939	1.896594564	1.68283542	1.617638798	2.089313554
1.294239124	1.857975853	1.720092043	2.104644541	1.935420024	1.906055835	1.886934367
1.600326698	1.536751799	2.145570607	1.856086886	1.852680257	1.793993207	1.763664594
1.595989388	1.844359813	2.19294275	1.961431522	1.815691187	1.279580362	1.700371218
2.070467497	1.843559716	2.221273791	1.77225189	1.705742585	1.375410195	1.661324903
2.280367536	1.848020996	1.870622822	2.247952447	1.623894598	1.299992194	1.725069162
2.355326691	1.983830084	1.883358252	2.198620871	1.957229925	1.352907403	1.50471312
2.538635529	1.905689724	1.867367572	2.002523845	2.370540685	1.452686703	1.683980396
2.469781661	1.897271891	2.509383509	2.064261519	2.797826674	2.267597671	1.742451138
3.006016389	1.811402319	2.219405663	1.875472149	2.211413466	1.337887695	1.591065264
2.763742409	2.885260003	2.068896428	1.881679886	2.555572541	1.173954939	1.871962905
2.469640695	3.39218774	1.583092122	1.838542756	3.891036629	0.836633064	1.740272167
3.247139695	0	2.623203659	2.144085861	4.364970996	0.925709352	1.361008852
4.322293544	0	3.587435477	2.61874684	1.553939781	2.501978666	0.953218298
5.467068142	0	3.422099245	2.178282681	0	3.409983086	1.585430129
6.548063056	0	0	0	0	0	1.566342114
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

IPF35_V1

0

0

0

1.355428993

2.010083417

2.44332907

2.61146867

2.726050138

3.187099334

3.106732764

2.83078508

2.458064603

2.761567111

2.516719138

2.643828339

3.037696296

2.993651988

3.283914086

3.199671748

3.628428939

4.130718667

5.255021555

5.749688908

6.793798532

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