

## Supplementary materials

Table 1 gives demographics of the eight subjects used in Sec. 3.2.

**Table 1** Demographics of the eight subjects. FBB=[ $^{18}\text{F}$ ]florbetaben, FMM=[ $^{18}\text{F}$ ]flutemetamol, FBP=[ $^{18}\text{F}$ ]florbetapir, CU=Cognitively Unimpaired. MMSE=Mini-Mental State Examination, A=Philips Ingenuity TF PET/MR, B=Siemens ECAT EXACT HR+ scanner, C=Philips Ingenuity TF PET/CT

Subject	Tracer	Diagnosis	Age	Sex	Visual read	MMSE	Scanner
1	FBB	CU	66	F	1	28	A
2	FBB	CU	68	F	0	30	A
3	FMM	CU	80	M	0	27	A
4	FMM	CU	69	F	1	30	A
5	PiB	AD dementia	60	M	1	21	B
6	PiB	CU	68	M	0	30	B
7	FBP	CU	63	M	0	29	C
8	FBP	AD dementia	71	M	1	25	C