

1 Supplementary Table 1: Local therapy approaches for analyzed patients.

Parameter (%)	Total (n=74)	CST (n=26)	No CST (n=48)	P Value
Local management				1
Definitive radiation	40 (54)	14 (54)	26 (54.2)	
Surgery	6 (8)	2 (8)	4 (8.3)	
Surgery followed by adjuvant radiation	28 (38)	10 (38)	18 (37.5)	
Definitive radiation strategy				0.40
SRS	18 (24)	8 (31)	10 (21)	
SRS + WBRT	11 (15)	4 (15)	7 (14.6)	
WBRT	11 (15)	2 (15.6)	9 (18.75)	
Adjuvant radiation strategy				1
SRS	6 (7.5)	2 (6.25)	4 (8.3)	
WBRT	22 (27.5)	8 (25)	14 (29.2)	

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10 Supplementary Table 2: Patterns of first relapse after successful management of BMs

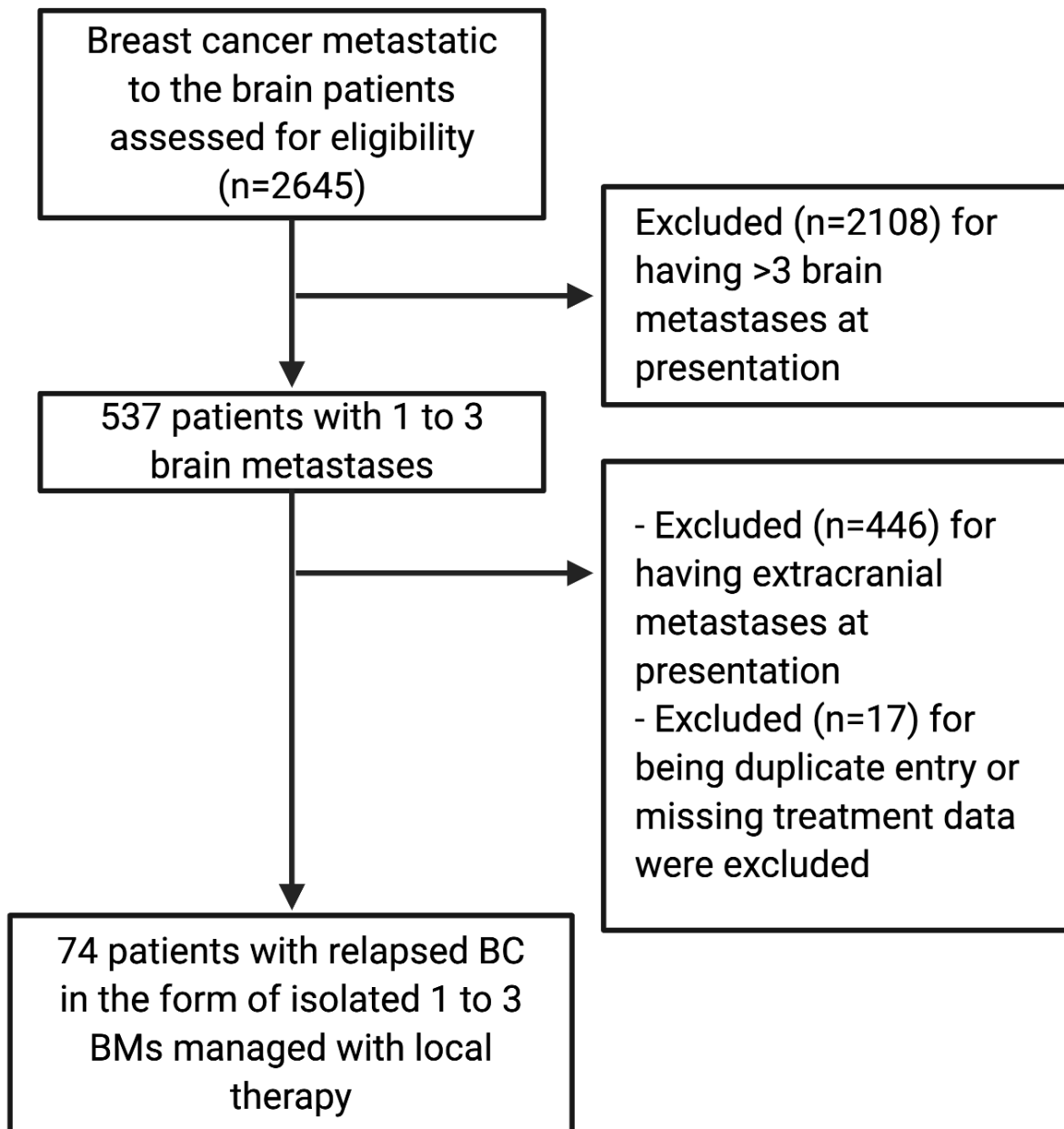
Total (%)	All subtypes* N=57	HR+ HER2- N=18	HR+ HER2+ N=8	HR- HER2+ N=14	HR- HER2- N=15
CNS (%)	36 (67)	10 (55)	6 (75)	9 (64)	9 (60)
Brain ^Δ	28	8	4	6	8
Leptomeningeal disease	8	2	2	3	1
Extracranial (%)	12 (19)	3 (16)	2 (25)	5 (36)	2 (13)
Lymphadenopathy	5	3	0	1	1
Lung	3	0	2	1	0
Bone	2	0	0	2	0
Liver	1	0	0	0	1
Other	1	0	0	1	0
Synchronous: CNS + extracranial (%)	9 (14)	5 (28)	0	0	4 (27)

11 * two patients had unknown HER2 status; therefore, they are not representing the subtypes
12 columns.

13 ^Δamong the 28 patients who had a relapse in the brain, 15 patients relapsed in the form of new
14 lesions and 13 relapsed at the previously treated site.

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1 Supplemental Figure 1: Consort diagram of the inclusion and exclusion criteria of analysis.



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