

Supplemental Table 1. Impact of follow up PET/CT scans with different indication on the patient management

n	indications	No Tx to no Tx	Tx to continue the same Tx	No Tx to new Tx	Tx to change in Tx	Tx to stop Tx	not known	Total
FDG-PET/CT for diagnosis of tumor recurrence								
1	Prior clinical suspicion of tumor recurrence	25	7	15	5	1	3	56
2	Prior rising tumor markers or abnormal laboratory tests suggesting tumor recurrence	8	10	4	3	0	0	25
3	Prior suspicious imaging (CT or MRI) for tumor recurrence	31	7	35	11	0	7	91
4	Prior indeterminate or suspicious PET/CT scan for tumor recurrence	82	18	22	4	0	5	131
FDG-PET/CT before starting therapy for tumor recurrence								
5	Restaging after confirmation of tumor recurrence	4	2	10	2	0	0	18
6	If extent of disease will alter therapy or if a new baseline was needed before change in therapy	2	13	18	10	0	3	46
FDG-PET/CT to assess therapy response for tumor recurrence								
7	Therapy response assessment of recurrence	97	73	45	30	8	13	266
8	Intra-treatment assessment of recurrence	0	162	12	30	2	4	210
9	Follow up scan to assess the previous equivocal response	9	11	6	3	0	2	31
Follow up FDG-PET/CT after completion of treatment for tumor recurrence								
10	Follow up for stable disease	25	82	9	12	1	3	132
11	Follow-up for disease progression	13	43	25	32	1	8	122

12	Follow up of disease in remission or per clinical trial protocol	400	79	24	5	1	22	531
Total		696	507	225	147	14	70	1659