



**Supplementary Table : Secondary cancers according to the type of first cancer and to the treatment  
give for the first cancer**

	Cytotoxics only	Cytotoxics and Immunotherapy	Immunotherapy only	Neither Cytotoxics nor immunotherapy	ALL
	437 SPC / 16997	6 SPC /1131	1 SPC /32	1386 SPC / 28669	1830 SPC / 46829
<b>FPC = Skin</b>	<b>149 (0.9%)</b>	<b>57 (5.0%)</b>	<b>0 (0.0%)</b>	<b>713 (2.5%)</b>	<b>919 (2.0%)</b>
SPC					
<b>ALL</b>	<b>9 (6,0%)</b>	<b>0 (0,0%)</b>	<b>0 (0,0%)</b>	<b>37 (5,2%)</b>	<b>46 (5,0%)</b>
Skin	1	0	0	1	2
Head & Neck	1	0	0	14	15
Lung	0	0	0	1	1
Prostate	0	0	0	2	2
Colorectal	1	0	0	0	1
Breast	0	0	0	1	1
Connective tissue	1	0	0	0	1
Urothelial	0	0	0	1	1
Digestive	0	0	0	3	3
Others	5	0	0	14	19
<b>FPC = Head &amp; Neck</b>	<b>929 (5.5%)</b>	<b>167 (14.8%)</b>	<b>5 (15.6%)</b>	<b>2286 (8.0%)</b>	<b>3387 (7.2%)</b>
SPC					
<b>ALL</b>	<b>51 (5,5%)</b>	<b>0 (0,0%)</b>	<b>0 (0,0%)</b>	<b>147 (6,4%)</b>	<b>198 (5,8%)</b>
Skin	2	0	0	11	13
Head & Neck	27	0	0	74	101
Lung	7	0	0	25	32
Prostate	0	0	0	3	3
Colorectal	2	0	0	3	5
Breast	0	0	0	4	4
Connective tissue	0	0	0	4	4
Urothelial	0	0	0	1	1
Digestive	4	0	0	6	10
Thyroid	2	0	0	2	4
Others	7	0	0	14	21
<b>FPC = Lung</b>	<b>2125 (12.5%)</b>	<b>486 (43.0%)</b>	<b>11 (34.4%)</b>	<b>2084 (7.3%)</b>	<b>4706 (10.0%)</b>
SPC					
<b>ALL</b>	<b>33 (1,6%)</b>	<b>6 (1,2%)</b>	<b>1 (9,1%)</b>	<b>114 (5,5%)</b>	<b>154 (3,3%)</b>
Skin	0	1	0	7	8
Head & Neck	1	0	0	12	13
Lung	12	0	0	21	33
Prostate	0	0	0	4	4
Colorectal	2	3	0	7	12
Breast	0	0	0	6	6
Connective tissue	6	0	0	14	20
Gyneco	0	0	0	1	1
Urothelial	0	0	0	3	3
Digestive	3	0	1	9	13
Thyroid	0	0	0	1	1
Others	9	2	0	29	40
<b>FPC = Prostate</b>	<b>643 (3.8%)</b>	<b>11 (1.0%)</b>	<b>0 (0.0%)</b>	<b>1732 (6.0%)</b>	<b>2386 (5.1%)</b>
SPC					
<b>ALL</b>	<b>7 (1,1%)</b>	<b>0 (0,0%)</b>	<b>0 (0,0%)</b>	<b>70 (4,0%)</b>	<b>77 (3,2%)</b>
Skin	1	0	0	2	3
Head & Neck	2	0	0	7	9
Lung	1	0	0	11	12
Prostate	0	0	0	1	1
Colorectal	0	0	0	8	8
Breast	0	0	0	2	2

Connective tissue	0	0	0	4	4
Urothelial	1	0	0	9	10
Digestive	0	0	0	8	8
Others	2	0	0	18	20
<b>FPC = Colorectal</b>	<b>1099 (6.5%)</b>	<b>30 (2.7%)</b>	<b>1 (3.1%)</b>	<b>1545 (5.4%)</b>	<b>2675 (5.7%)</b>
SPC					
<b>ALL</b>	<b>21 (1,9%)</b>	<b>0 (0,0%)</b>	<b>0 (0,0%)</b>	<b>96 (6,2%)</b>	<b>117 (4,4%)</b>
Skin	3	0	0	2	5
Head & Neck	0	0	0	5	5
Lung	4	0	0	11	15
Prostate	1	0	0	5	6
Colorectal	1	0	0	24	25
Breast	0	0	0	5	5
Connective tissue	4	0	0	11	15
Gyneco	0	0	0	4	4
Urothelial	0	0	0	3	3
Digestive	3	0	0	11	14
Thyroid	0	0	0	3	3
Others	5	0	0	12	17
<b>FPC = Breast</b>	<b>4809 (28.3%)</b>	<b>33 (2.9%)</b>	<b>1 (3.1%)</b>	<b>6857 (23.9%)</b>	<b>11700 (25.0%)</b>
SPC					
<b>ALL</b>	<b>98 (2,0%)</b>	<b>0 (0,0%)</b>	<b>0 (0,0%)</b>	<b>135 (2,0%)</b>	<b>233 (2,0%)</b>
Skin	7	0	0	7	14
Head & Neck	5	0	0	3	8
Lung	7	0	0	14	21
Colorectal	5	0	0	4	9
Breast	34	0	0	35	69
Connective tissue	5	0	0	14	19
Gyneco	7	0	0	15	22
Urothelial	5	0	0	5	10
Digestive	7	0	0	8	15
Thyroid	5	0	0	6	11
Others	11	0	0	24	35
<b>FPC = Connective tissue</b>	<b>646 (3.8%)</b>	<b>19 (1.7%)</b>	<b>0 (0.0%)</b>	<b>2253 (7.9%)</b>	<b>2918 (6.2%)</b>
SPC					
<b>ALL</b>	<b>37 (5,7%)</b>	<b>0 (0,0%)</b>	<b>0 (0,0%)</b>	<b>213 (9,5%)</b>	<b>250 (8,6%)</b>
Skin	1	0	0	27	28
Head & Neck	2	0	0	14	16
Lung	2	0	0	10	12
Prostate	0	0	0	2	2
Colorectal	3	0	0	4	7
Breast	1	0	0	6	7
Connective tissue	6	0	0	27	33
Gyneco	3	0	0	7	10
Urothelial	2	0	0	4	6
Digestive	6	0	0	12	18
Thyroid	0	0	0	5	5
Others	11	0	0	95	106
<b>FPC = Gyneco</b>	<b>1105 (6.5%)</b>	<b>62 (5.5%)</b>	<b>0 (0.0%)</b>	<b>1967 (6.9%)</b>	<b>3134 (6.7%)</b>

SPC

<b>ALL</b>	<b>21 (1,9%)</b>	<b>0 (0,0%)</b>	<b>0 (0,0%)</b>	<b>96 (4,9%)</b>	<b>117 (3,7%)</b>
Skin	0	0	0	2	2
Head & Neck	1	0	0	2	3
Lung	0	0	0	5	5
Colorectal	1	0	0	5	6
Breast	5	0	0	13	18
Connective tissue	5	0	0	21	26
Gyneco	6	0	0	29	35
Urothelial	0	0	0	2	2
Digestive	0	0	0	5	5
Thyroid	0	0	0	4	4
Others	3	0	0	8	11
<b>FPC = Urothelial</b>	<b>434 (2.6%)</b>	<b>142 (12.6%)</b>	<b>1 (3.1%)</b>	<b>837 (2.9%)</b>	<b>1414 (3.0%)</b>
SPC					
<b>ALL</b>	<b>7 (1,6%)</b>	<b>0 (0,0%)</b>	<b>0 (0,0%)</b>	<b>80 (9,6%)</b>	<b>87 (6,2%)</b>
Skin	0	0	0	1	1
Head & Neck	0	0	0	7	7
Lung	1	0	0	14	15
Prostate	1	0	0	9	10
Colorectal	1	0	0	2	3
Breast	0	0	0	7	7
Connective tissue	0	0	0	10	10
Gyneco	0	0	0	2	2
Urothelial	4	0	0	11	15
Digestive	0	0	0	5	5
Thyroid	0	0	0	1	1
Others	0	0	0	11	11
<b>FPC = Digestive</b>	<b>1445 (8.5%)</b>	<b>53 (4.7%)</b>	<b>1 (3.1%)</b>	<b>1498 (5.2%)</b>	<b>2997 (6.4%)</b>
SPC					
<b>ALL</b>	<b>36 (2,5%)</b>	<b>0 (0,0%)</b>	<b>0 (0,0%)</b>	<b>65 (4,3%)</b>	<b>101 (3,4%)</b>
Skin	2	0	0	2	4
Head & Neck	1	0	0	10	11
Lung	3	0	0	8	11
Prostate	0	0	0	2	2
Colorectal	3	0	0	5	8
Breast	5	0	0	3	8
Connective tissue	3	0	0	8	11
Gyneco	1	0	0	3	4
Urothelial	0	0	0	1	1
Digestive	8	0	0	13	21
Thyroid	2	0	0	1	3
Others	8	0	0	9	17
<b>FPC = Thyroid</b>	<b>220 (1.3%)</b>	<b>7 (0.6%)</b>	<b>0 (0.0%)</b>	<b>1106 (3.9%)</b>	<b>1333 (2.8%)</b>
SPC					
<b>ALL</b>	<b>4 (1,8%)</b>	<b>0 (0,0%)</b>	<b>0 (0,0%)</b>	<b>20 (1,8%)</b>	<b>24 (1,8%)</b>
Head & Neck	1	0	0	2	3
Lung	0	0	0	4	4
Prostate	0	0	0	1	1
Breast	1	0	0	6	7
Connective tissue	1	0	0	2	3
Gyneco	1	0	0	1	2

Digestive	0	0	0	1	1
Thyroid	0	0	0	1	1
Others	0	0	0	2	2
<b>FPC = Others</b>	<b>3393 (20.0%)</b>	<b>64 (5.7%)</b>	<b>12 (37.5%)</b>	<b>5791 (20.2%)</b>	<b>9260 (19.8%)</b>
SPC					
<b>ALL</b>	<b>113 (3,3%)</b>	<b>0 (0,0%)</b>	<b>0 (0,0%)</b>	<b>313 (5,4%)</b>	<b>426 (4,6%)</b>
Skin	13	0	0	21	34
Head & Neck	6	0	0	35	41
Lung	3	0	0	16	19
Prostate	2	0	0	2	4
Colorectal	3	0	0	7	10
Breast	8	0	0	16	24
Connective tissue	12	0	0	38	50
Gyneco	1	0	0	8	9
Urothelial	0	0	0	13	13
Digestive	5	0	0	18	23
Thyroid	2	0	0	14	16
Others	58	0	0	125	183