



MP67-07

The **survival benefit** of RARP in comparison with RT
manifested in **elderly men** ;
A national wide observational study

Young Hwii Ko, Yeungnam University, Daegu, Korea

Background :

No established guideline for elderly Pca pts in Korea

Materials and Method :

Population based observational study

- From 2006-2016, 139,682 men newly diagnosed and registered as a Pca in **Korean Medical Insurance system** was enrolled.
- **Inclusion criteria** : RARP (+RT/+RT&ADT)
or RT (+ADT)
- **Exclusion criteria** : Younger than 70 yrs
CT (first line) , Open /laparoscopic RP
- **Primary end point** : **OS** (overall survival), not PSA

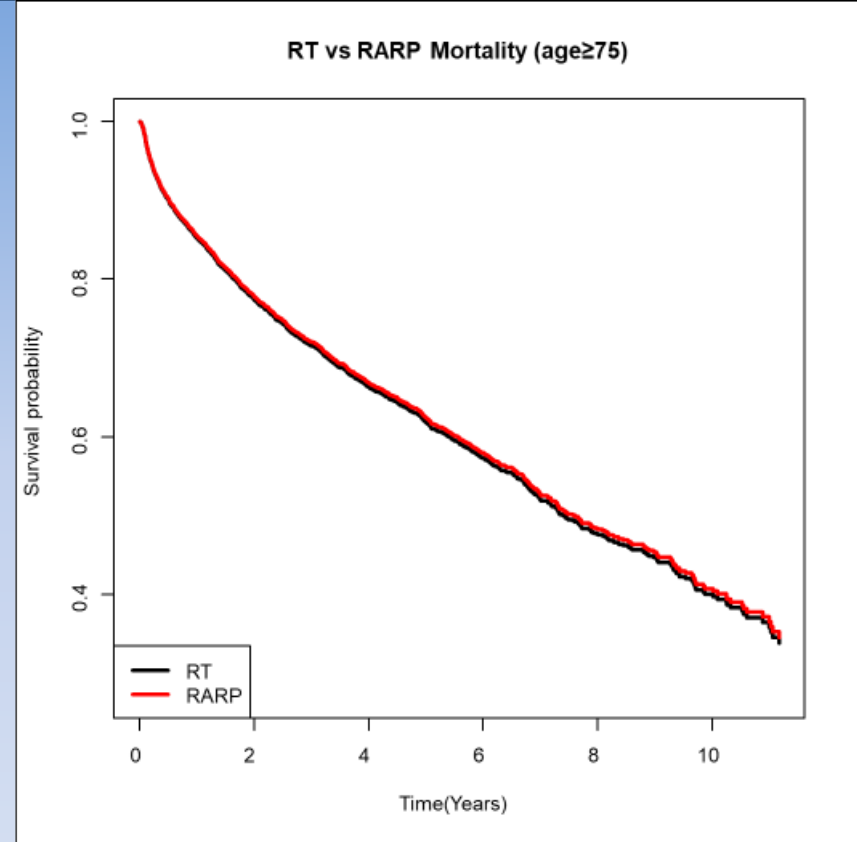
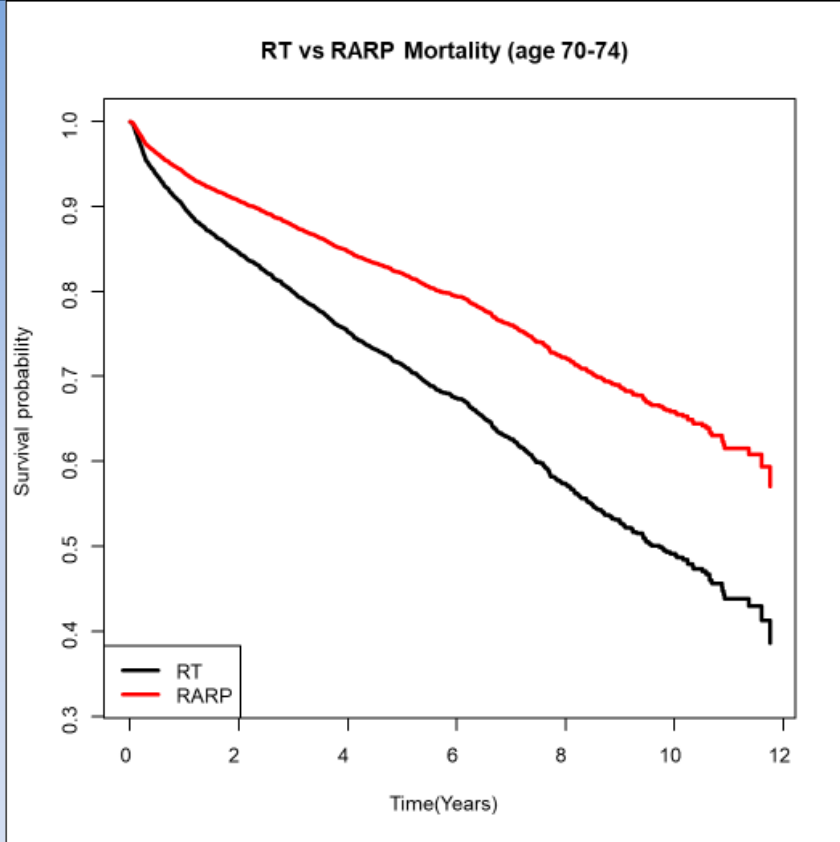
Results - Difference in **mortality** in each group

Age group	Comparison Group	Group	N	Event	Duration	MR (per 1000)	HR	97% CI	P-value
Total	Total (RT VS. RARP)	RT	6417	2071	23128.88	89.5417	1 (Ref.)		
		RARP	7535	1809	30933.84	58.4797	0.767	0.720-0.818	<.0001
	RT only vs RARP only	RT	2734	1044	9580.52	108.971	1 (Ref.)		
		RARP	7090	1658	29337.33	56.515	0.624	0.577-0.675	<.0001
	RT + ADT vs RARP + RT	RT	3683	1027	13548.37	75.8025	1 (Ref.)		
		RARP	445	151	1596.51	94.5813	1.472	1.238-1.751	<.0001
70-74 yrs	Total (RT VS. RARP)	RT	3178	946	12542.12	75.4258	1 (Ref.)		
		RARP	5057	919	22317.28	41.1789	0.58	0.529-0.636	<.0001
	RT only vs RARP only	RT	1322	479	5065.65	94.5584	1 (Ref.)		
		RARP	4751	830	21137.5	39.2667	0.446	0.398-0.499	<.0001
	RT + ADT vs RARP + RT	RT	1856	467	7476.47	62.4627	1 (Ref.)		
		RARP	306	89	1179.78	75.4377	1.246	0.991-1.565	0.0596
>75 yrs	Total (RT VS. RARP)	RT	3239	1125	10586.76	106.265	1 (Ref.)		
		RARP	2478	890	8616.56	103.289	0.98	0.897-1.07	0.6498
	RT only vs RARP only	RT	1412	565	4514.86	125.142	1 (Ref.)		
		RARP	2339	828	8199.83	100.978	0.827	0.743-0.92	0.0005
	RT + ADT vs RARP + RT	RT	1827	560	6071.9	92.228	1 (Ref.)		
		RARP	139	62	416.73	148.778	1.796	1.379-2.339	<.0001



Conclusions

- Difference in **mortality** in each group



Based on non-inferior survival older than 75 yrs, we thought that **RARP should not be erased** from the list of recommended modality, solely by judging his **age** as a single exclusion criteria for radical surgery.