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OPEN Publisher Correction: Co-expression of cancer-testis antigens of MAGE-A6 and MAGE-A11 is associated with tumor aggressiveness in patients with bladder cancer

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Correction to: Scientific Reports https://doi.org/10.1038/s41598-021-04510-2, published online 12 January 2022

The original version of this Article contained errors.

In Figure 2, panels (G), (H) and (I) were omitted. The original Figure 2 and accompanying legend appear below.

Similarly, in Figure 4, panels (C)–(H) and in Figure 5, panels (C) and (D) were omitted. The original Figures 4 and 5 and their accompanying legends appear below.

Additionally, in Table 1, values in columns "Total samples N (%)", "Nuclear expression of MAGE-A11" and "Cytoplasmic expression of MAGE-A11" were omitted. The original Table 1 and accompanying legend appear below.

Finally, the data in Table 2 did not display correctly. The original Table 2 and accompanying legend appear below.

The original Article has been corrected.



Figure 2. Staining pattern of MAGE-A6 expression (**A**–**C**) and MAGE-A11 expression (**D**–**F**) in bladder tissues. (**A**) Intermediate staining for both nuclear and cytoplasmic expressions in low-grade BC (pTa stage), (**B**) Strong staining for nuclear expression and intermediate staining for cytoplasmic expression in high-grade BC (pT1 stage), (**C**) MAGE-A6 expression in adjacent normal tissue, (**D**) Weak staining for both nuclear and cytoplasmic expressions in low-grade BC (pTa stage), (**E**) Strong staining for both nuclear and cytoplasmic expressions in high-grade BC (pT2 stage), (**E**) MAGE-A11 expression in adjacent non-tumoral tissue, (**G**) MAGE-A6 expression in liver tissue as a positive control, (**H**) MAGE-A11 expression in prostate tissue as a positive control, and (**I**) Staining of bladder tissue with a nonreactive antibody (anti-CD11b antibody, negative control). All images were taken at 400× magnification.

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		Nuclear expression of MAGE-A11		Cytoplasmic expression of MAGE-A11					
Patients and tumor characteristics	Total samples N (%)	Staining Intensity	H-score	Staining Intensity	H-score				
Median age									
Years									
≤67	108 (51)	0.079		0.638					
>67	105 (49)	0.075		0.932					
Gender									
Male	170 (80)	0.708		0.603					
Female	43 (20)	0.839		0.372					
Mean tumor size (cm)									
≤2.5	134 (63)	0.741		0.139					
>2.5	79 (37)	0.789		0.125					
Histological grade									
Low	94 (44)	0.349		< 0.0001					
High	119 (56)	0.554		< 0.0001					
pT stage									
рТа	87 (40.8)								
pT1	95 (44.6)	0.219		< 0.0001					
pT2	31 (14.6)	0.579		< 0.0001					
pT3	0 (0)								
pT4	0 (0)								
Lamina propria involvement									
Involved	126 (59)	0.292		< 0.0001					
None	87 (41)	0.954		< 0.0001					
Muscularis invasion									
Involved	31 (14.6)	0.14		0.334					
None	182 (85.4)	0.339		0.684					
Lamina propria/muscularis involvement (L/M)									
L-/M-	87 (40.8)	0.219							
L+/M-	95 (44.6)	0.579		0.0001					
L+/M+	31 (41.6)			< 0.0001					
Recurrence				•					
Present	57 (27)	0.577		0.203					
Absent	156 (73)	0.692		0.695					
Distant metastasis									
Present	33 (15.5)	0.262		0.097					
Absent	180 (84.5)	0.49		0.932					

Table 1. Association between MAGE-A6 expressions (staining intensity and H-score) and clinic-pathological parameters of BC cases (*p* value, Pearson's chi-square test). Bold numbers represent significant *p* values.

		Nuclear expression of MAGE-A11		Cytoplasmic expression of MAGE-A11					
Patients and tumor characteristics	Total samples N (%)	Staining Intensity	H-score	Staining Intensity	H-score				
Median age									
Years									
≤67	108 (51)	0.079	0.075	0.638	0.932				
>67	105 (49)								
Gender									
Male	170 (80)	0.708	0.839	0.603	0.372				
Female	43 (20)								
Mean tumor size (cm)									
≤2.5	134 (63)	0.741	0.789	0.139	0.125				
> 2.5	79 (37)								
Histological grade		1		L					
Low	94 (44)	0.349	0.554	< 0.0001	< 0.0001				
High	119 (56)								
pT stage									
рТа	87 (40.8)								
pT1	95 (44.6)	0.219	0.579	< 0.0001	< 0.0001				
pT2	31 (14.6)								
pT3	0 (0)								
pT4	0 (0)								
Lamina propria involvement									
Involved	126 (59)	0.292	0.954	< 0.0001	< 0.0001				
None	87 (41)								
Muscularis invasion									
Involved	31 (14.6)	0.14	0.339	0.334	0.684				
None	182 (85.4)								
Lamina propria/muscularis involvement (L/M)									
L-/M-	87 (40.8)								
L+/M-	95 (44.6)	0.219	0.579	0.0001	< 0.0001				
L+/M+	31 (41.6)								
Recurrence									
Present	57 (27)	0.577	0.692	0.203	0.695				
Absent	156 (73)								
Distant metastasis				·					
Present	33 (15.5)	0.262	0.49	0.097	0.932				
Absent	180 (84.5)								

Table 2. Association between MAGE-A11 expressions (staining intensity and H-score) and clinic-pathological parameters of BC cases (*p* value, Pearson's chi-square test). Bold numbers represent significant *p* values.

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