



## Correction: Immune response and stromal changes in ductal carcinoma in situ of the breast are subtype dependent

Marie Colombe Agahozo · Pieter J. Westenend · Mieke R. van Bockstal  · Tim Hansum · Jenny Giang · Sanneke E. Matlung · Carolien H. M. van Deurzen

Published online: 29 October 2020

© The Author(s), under exclusive licence to United States & Canadian Academy of Pathology 2020

Correction to: *Modern Pathology*

<https://doi.org/10.1038/s41379-020-0553-9>

There are some errors in the *P* values reported in this paper. The correct results and table are shown below:

DCIS regression according to clinicopathological characteristics

We identified signs of DCIS regression in 30 out of 450 (6.7%) patients. The association between DCIS regression

and DCIS characteristics is reported in Table 2. Overall, DCIS regression was associated with a larger size ( $P = 0.001$ ), high grade ( $P < 0.0001$ ), presence of comedonecrosis ( $P = 0.013$ ), ER-PR-HER2+ IHC subtype ( $P < 0.0001$ ) and TIL-high DCIS ( $P = 0.006$ ). After multivariate analysis, only the association between DCIS regression and ER-PR-HER2+ IHC subtype remained significant ( $P = 0.001$ ).

**Table 2** The association between DCIS regression and clinicopathological characteristics.

	DCIS regression ( <i>n</i> = 450)		Univariate <i>P</i> value	Multivariate <i>P</i> value
	Yes <i>n</i> (%)	No <i>n</i> (%)		
Age at diagnosis (years)			0.469	–
– Median (range)	60.5 (32.0–81.0)	58.0 (27.0–84.0)		
Size (missing <i>n</i> = 61) (cm)			<b>0.001</b>	0.064
– Median (range)	2.9 (2.80–3.00)	2.0 (0.10–13.5)		
Growth pattern			0.292	–
– Solid	20 (67)	206 (49)		
– Cribriform	8 (27)	176 (42)		
– Micropapillary	2 (7)	33 (8)		
– Papillary	0 (0)	5 (1)		
Grade			<b>&lt;0.0001</b>	0.174
– Low	0 (0)	58 (14)		
– Intermediate	4 (13)	152 (36)		
– High	26 (87)	210 (50)		
Calcification			0.835	–
– Absent	9 (30)	118 (28)		
– Present	21 (70)	302 (72)		
Comedonecrosis			<b>0.013</b>	0.637
– Absent	8 (27)	215 (51)		
– Present	22 (73)	205 (49)		
IHC DCIS subtype (missing <i>n</i> = 18)			<b>&lt;0.0001</b>	<b>0.001</b>
– ER+PR+/-HER2-	5 (17)	241 (60)		
– ER+PR+/-HER2+	6 (20)	75 (18)		
– ER-PR-HER2+	13 (43)	70 (17)		
– ER-PR-HER2-	6 (20)	16 (4)		
Density of TILs			<b>0.006</b>	0.818
–Low	15 (50)	313 (75)		
–High	15 (50)	107 (25)		
Ipsilateral recurrence (missing <i>n</i> = 6)			1.000	–
–No	28 (97)	400 (96)		
–Yes	1 (3)	15 (4)		