

Response to the reviewer- Minor Revision

L-DOPA-Decarboxylase (DDC) is a positive prognosticator for breast cancer patients and Epinephrine regulates breast cancer cell (MCF7 and T47D) growth in vitro according to their different expression of G_i-protein- coupled receptors

Reviewer 1

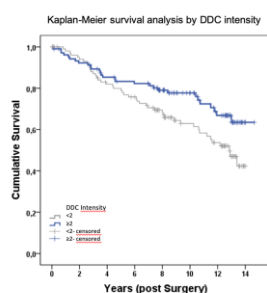
Thank you for your positive feedback and praise. We are glad to hear, that we could improve our paper.

We improved the following remarks. See below:

- Supplementary table 1 is hard to read, enlarge it and put a figure caption at the end instead of to the side.

→ Thank you for your advice. We enlarged the supplementary table 1 and arranged it in three columns. Now all the data is available on one page. The figure caption is located at the end.

- Figure 3, indicate with letter or symbol (2 or more), unify criteria



→ We indicated “2 or more” with symbol ($\geq$) now in the figure 3 and the figure legend 3. It is unified.

Figure legend:

Figure 3 Influence of DDC expression on OS of patients with early breast cancer. Kaplan-Meier curve showing the association between an increased DDC expression (Intensity ≥ 2 , n=109; Intensity < 2, n= 126) and a longer overall survival (p= 0.03).

- In the table of patients include the mean age (and range), as well as the state of menopause

Patients characteristics		n
stage		
pT1		135 (68%)
pT2		66 (28.3%)
pT3		1 (0.4%)
pT4		5 (2.2%)
Grade		
G1		16
G2		84
G3		57
marker status		
Her2	positive	26
	negative	208
ER	positive	192
	negative	43
PR	positive	141
	negative	94
menopausal		
A		103
B		74
mean age		
		58.2 years
		±13.3

→ Thank you for this remark. We added the mean age in table 1. Unfortunately, the menopause status was not inquired in the patient's data. The age could give an indication but is not a valid criteria for menopause status. We agree that this is an interesting characteristic and hope to include it for further studies. In case of the short time given for minor revision round, we are not able to include it now.

- In the statistics section include the software used for the analysis

→ Thank you for this remark. The software is mentioned in the statistics section.

Line 413: Analysis of statistical data were transacted with IBM SPSS Statistics for Windows, Version 22.0. Armonk, NY: IBM Corp.

- Update abbreviations (for example TAAR)

→ Thank you for this relevant annotation. We updated the abbreviations. See the table below or in the paper line 469.

MDPI	Multidisciplinary Digital Publishing Institute
DOAJ	Directory of open access journals
TLA	Three letter acronym
LD	linear dichroism
DDC	L-Dopa Decarboxylase
TAAR1	trace amine-associated receptor 1
OS	overall survival
TAs	trace-amines
AR	adrenoreceptors
PKA	adenylcyclase
CREB	cAMP-responsive element binding protein
G _i -PcR	G _i - protein coupled receptor
ER	estrogen receptor
PR	progesterone receptor

- In the conclusions section, "further investigations/studies" sentence is indicated at least seven times which I think is too much redundant.

→ Thank you for your remark. We reduced the number of sentences, which indicate that we are planning further studies.

Line 247: We removed the note of further investigations.

Line 298: We removed the sentence.

Line 313: Analyses of the signalling pathways of the endogenous ligands and to possibly re-examine adrenergic signalling in breast cancer need to be done.