

Central Lancashire Online Knowledge (CLOK)

Title	Higher rate of progesterone receptor positivity in skeletal metastases of breast cancer with a pathological fracture vs those without fracture
Type	Article
URL	https://clock.uclan.ac.uk/47125/
DOI	https://doi.org/10.1002/ijc.34605
Date	2023
Citation	Rajkovic, Stanislav M., Charalambous, Michalis P., Charalambous, Charalambos P., Simic, Ljubica D., Djuricic, Goran J., Dundjerovic, Dusko M., Miceta, Lazar D., Milicic, Biljana R. and Sopta, Jelena P. (2023) Higher rate of progesterone receptor positivity in skeletal metastases of breast cancer with a pathological fracture vs those without fracture. International Journal of Cancer (IJC). ISSN 0020-7136
Creators	Rajkovic, Stanislav M., Charalambous, Michalis P., Charalambous, Charalambos P., Simic, Ljubica D., Djuricic, Goran J., Dundjerovic, Dusko M., Miceta, Lazar D., Milicic, Biljana R. and Sopta, Jelena P.

It is advisable to refer to the publisher's version if you intend to cite from the work.
<https://doi.org/10.1002/ijc.34605>

For information about Research at UCLan please go to <http://www.uclan.ac.uk/research/>

All outputs in CLOK are protected by Intellectual Property Rights law, including Copyright law. Copyright, IPR and Moral Rights for the works on this site are retained by the individual authors and/or other copyright owners. Terms and conditions for use of this material are defined in the <http://clock.uclan.ac.uk/policies/>

Table 3. Cytopathological characteristics of the breast skeletal metastases

Pathological fracture occurrence						
Yes			No			
Receptor		PR				
Count	PR+ 49 (53.9%)	PR- 42 (36.1%)	PR+ 22 (36.1%)	PR- 39 (53.9%)	OR=2.14 CI95=1.06-4.02	p=0.032
Score	3.0 (Range 0-8)		1.9 (Range 0-8)			p=0.036
Intensity of staining	1.3 (Range 0-3)		0.9 (Range 0-3)			p=0.066
Percentage of stained cells	19.1 (Range 0-90)		9.4 (Range 0-85)			p=0.033
Receptor		ER				
Count	ER+ 71 (78%)	ER- 20 (22%)	ER+ 46 (75.4%)	ER- 15 (24.6%)	OR=1.16 CI95%=0.54-2.49	p=0.708
Score	5.1 (Range 0-8)		5.4 (Range 0-8)			p=0.293
Intensity of staining	1.9 (Range 0-4)		2.0 (Range 0-3)			p=0.460
Percentage of stained cells	43.2 (Range 0-95)		50.1 (Range 0-95)			p=0.308
Receptor		HER2				
Count	HER2+ 32 (35.2%)	HER2- 59 (64.8%)	HER2+ 25 (41%)	HER2- 36 (59%)	OR=0.78 CI 95%=0.40-1.52	p=0.468
Score	1.1 (Range 0-3)		1.4 (Range 0-3)			p=0.120
Ki67						
	22.9 (Range 1-80)		24.2 (Range 1-90)			p=0.542

PR – Progesterone Receptor

ER – Estrogen Receptor

HER2 – Human Epidermal Growth Factor Receptor 2

*All results refer to mean values for continuous data