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Ki67 in young patients with breast cancer**Yassine Rahim**

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Our case study was to compare Ki67 in young breast cancer patients (less than 35 years), and in older ones. Thirty-three young patients treated between January 1, 2015 and December 31, 2017. Biomarker studies were done on a biopsy or a surgical specimen before any chemotherapy. Young patients had a higher median value of Ki67 (30% [3–95] versus 10% [0–90] $P < 0.0001$) a higher rate of SBR3 (44 versus 28% $P < 0.04$), of mitotic index 3 (35 versus 13% $P < 0.001$). ER was less frequently positive (56 versus 87%, $P < 0.001$) as well as PR (38 versus 68% $P < 0.001$). HER2 was more frequently amplified

in young patients (24 versus 10% $P < 0.007$). Young patients more frequently had a triple negative breast cancer (TNBC) (31 versus 8% $P < 0.001$). In TNBC patients, Ki67 was higher in younger patients (70% [10–95] versus 38% [2–80] $P = 0.06$). Among young patients, TNBC had a higher Ki67 than non TNBC (70% [10–95] versus 20% [3–60] $P < 0.001$).

Conclusion: Ki67 is significantly higher in young patients than in older ones. TNBC is significantly more frequent too in that group, and Ki67 is significantly higher in TNBC.

Biography

Yassine Rahim is a Gynecologist and Obstetrician, Professor-Assistant Doctor in the University of Medicine of Oran. Over 08 years of a successful career with diverse roles distinguished by commended performance in Caesarean Operations and various gynecologic surgery- vaginal, abdominal endoscopic and breast surgery, he was recognized as one of the first persons in Algeria to apply the "Extra-Peritoneal Cesarean Section" daily as mentioned in many newspapers and on medical review and myomectomy with internal iliac artery ligation.

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