

After this evaluation, breast cancer was categorized into five molecular subtypes based on immunohistochemical profiles according to the following classification:

1- Luminal Ki-67 >10% Classification

“Luminal A”: ER positive, PR positive, HER2 negative and Ki-67  $\leq$ 10%

“Luminal B”: ER positive, PR positive or negative, HER2 negative and Ki-67 >10%

“Luminal B-HER2 positive (hybrid): ER positive, PR positive or negative, HER2 positive, any Ki-67 index

“HER2-enriched”: ER negative, PR negative and HER2 positive with any Ki-67 index

“Triple negative”: ER negative, PR negative, HER2 negative with any Ki-67 index

2- Luminal Ki-67 >20% Classification

“Luminal A”: ER positive, PR positive, HER2 negative and Ki-67  $\leq$ 20%

“Luminal B”: ER positive, PR positive or negative, HER2 negative and Ki-67 >20%

“Luminal B-HER2 positive (hybrid): ER positive, PR positive or negative, HER2 positive, any Ki-67 index

“HER2-enriched”: ER negative, PR negative and HER2 positive with any Ki-67 index

“Triple negative”: ER negative, PR negative, HER2 negative with any Ki-67 index

Another stratification using only Ki-67 index as reference was performed:

3- Ki-67 >10% Classification

Group 1: Ki-67  $\leq$ 10%

Group 2: Ki-67 >10%

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