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| <b>P22D2</b>        |   |
| Title               | Interobserver Variability on Breast Core Biopsy   |
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| Aim                 | Grading of breast cancer based on certain histological features plays a precious role in predicting the prognosis and the outcomes of this prevalent neoplasm.<br>This study evaluates the degree of agreement on grading invasive ductal carcinoma on breast core biopsy among general pathologists.   |
| Materials & Methods | Breast core biopsies of 27 patients with invasive ductal carcinoma were independently evaluated by three pathologists and graded according to the Bloom and Richardson (Nottingham modification) grading system. A detailed histopathological assessment was carried out and analyzed statistically.  |
| Result              | The results showed a substantial agreement among the three pathologists in final grading of breast core biopsies (Kappa= 0.819, 0.690 & 0.757 and P<0.0005). The same trend of agreement was also observed in scoring mitosis (Kappa= 0.859, 0.765 & 0.654 and P< 0.0005), and nuclear pleomorphism (Kappa = 0.538, 0.505 & 0.535 and P< 0.0005). Fair agreement was noted in scoring tubule formation (Kappa = 0.456, 0.382 & 0.428 and P < 0.01). |
| Conclusion          | This study reveals that despite the presence of individual difference in evaluating some of the parameters of the grading system, there was a substantial agreement between the participated pathologists in the final grading of breast carcinoma in core biopsies.  |