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## Immunohistochemical evaluation of Bcl 2, caspase 3, 8 and 9 expressions in canine mammary carcinomas

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The present study investigated immunohistochemical expression of bcl 2, caspase 3, 8 and 9 in the canine mammary carcinomas. We collected 65 paraffin-embedded canine mammary tumor tissue samples and were used as material. These samples were examined histopathologically. After this, routine streptavidin-biotin-peroxidase technique was performed. Data were statistically analyzed using Cronbach's alpha, Kruskal–Wallis and Bonn-Ferroni-Dunn tests. Microscopically, 17 of the cases were diagnosed as tubulopapillary carcinoma, 31 of the cases were diagnosed as complex carcinoma and 17 of the cases were diagnosed as carcinosarcoma. Differences in immunohistochemical expression of bcl-2 was found statistically significant according to tumor types ( $P < 0.01$ ). The other parameters (caspase-3, -8 and -9) were not found statistically significant ( $P > 0.05$ ). In addition, expression of bcl-2 was detected statistically significant in carcinosarcoma cases ( $P < 0.01$ ).

### Biography

Ahmet Aydogan has completed his PhD from Adnan Menderes University, Turkey and Post-doctoral studies from Mehmet Akif Ersoy University, Turkey. He is currently an Associate Professor at the Cukurova University, Faculty of Veterinary Medicine, Department of Pathology, Adana, Turkey. He has published more than 30 papers in reputed journals and has been serving as a Reviewer of repute.

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