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Intraluminal Stent Implantation in a Dog with Tracheal Stenosis

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Abstract

We presented a case of 8 year old castrated male Yorkshire Terrier dog with dyspnea. In clinical examination typical “goose honking” sound noted. Radiographic examinations revealed narrowing in the intrathoracic region of trachea. Computerized tomography (CT) was performed. As a result of the findings, the patient was diagnosed with 4th stage “Tracheal Stenosis”. Boston Scientific Wallstent® was implanted intraluminally to the site of stenosis with the guidance of digital x-ray (DR). No symptoms were seen on day “0” after the implantation. On the 3rd day, a dry cough complaint was seen and it was thought to be related to stent irritation. Cough were controlled with prednisolone for 30 days and butarfanol for 7 days. On the 30th day, no clinical symptoms were reported by the dogs owner. On the 60th day, cough was reported again, with prednisolone administration for 14 days clinical symptoms resolved. For now, no respiratory complaints were seen and the patient is still coming to routine check up. Conclusion, it would be beneficial to present the case in order to be an example of successful and safe application of this method in Turkey.

Keywords: Tracheobronchomalacia, Tracheal collapse, Intraluminal stent

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