

## Periodontal disease and kidney disease, a bidirectional relationship

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Nowadays, terms as transplant and chronic disease are beginning to be more commonly used in the everyday vocabulary of the general population. Renal disease is one of the chronic diseases with highest morbidity, and being that the most prevalent renal disease in the world is the chronic renal disease. It is also the one which requires the largest and most comprehensive care in health terms. The evolution of this pathology ultimately leads to renal transplant, for the patients that survive it and which their bodies can take the load of this kind of intervention. Before reaching this phase, the patient goes through several disease stages, although they may not have visible signs and symptoms, which leads to the disease remaining undiagnosed during long periods of time. When it becomes necessary to have renal substitution therapy, it is started by peritoneal dialysis or hemodialysis. When the transplantation possibility occurs, even though it is not a cure, it brings along consequences and morbidities in numerous levels, largely due to the immunosuppressant medication. Periodontitis, being a chronic and multifactorial disease, has been linked to renal disease as one of the risk factors to its evolution. The inverse also occurs, and renal disease is one of the causes of a large number of alterations in the oral cavity. The best understanding of this bidirectional relation and its consequences could help in the promotion of a better oral health status in renal patients, as well as allow an early diagnosis of the renal disease, which will lead us, in a near future, to better expectations in the survival rates and decrease in morbidity in these patients. My presentation will have its main focus on a short but comprehensive explanation of Periodontitis, renal disease (since early stage until transplantation phase) and after which factors are common on the 2 diseases, in which way the treatment of each other can improve and/or influence in the outcome of one another.

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