



## **Summary of Research Chronic Renal Disease and Periodontal Disease**

**Source:** Oral Dis. 2008 Jan; 14(1):1-7.

**Title:** “Interactions between chronic renal disease and periodontal disease”.

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### **Summary of Research:**

- Number of people with End Stage Renal Disease (ESRD) is increasing.
- Atherosclerotic complications including stroke and heart attack are the primary causes of death in the ESRD population.
- Periodontal disease may be a treatable source of systemic inflammation.

### **Results and Conclusions:**

- Cardiovascular diseases including heart attack, cardiac arrest, cardiac arrhythmia and stroke are the primary causes of death for ESRD patients.
- Mortality is highly associated with increased inflammatory burden.
- Periodontal disease contributes to systemic inflammation.
- The periodontal status of chronic renal disease patients needs to be carefully monitored.

### **Key Take-Aways:**

- ESRD patients receiving renal replacement therapy including hemodialysis, peritoneal dialysis or kidney transplants will comprise an increasing segment of dental patient populations.
- The contribution of periodontal disease to the inflammatory burden makes it imperative to diagnose, treat and educate patients in the ESRD population about the critical importance of biofilm control and professional care, since their mortality is highly associated with inflammation.

***For more information about periodontal disease and the systemic links,  
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