CRITICAL REVIEWS IN ORAL BIOLOGY & MEDICINE

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Mobile Microbiome: Oral Bacteria in Extra-oral Infections and Inflammation

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APPENDIX

Appendix Table. Summary of Oral Species Implicated in Extra-oral Infections and Inflammation, with References

Extra-oral Infections Complicated by Oral Bacteria	Oral Species Detected	References
Cardiovascular diseases (CVD)	*Aggregatibacter actinomycetemcomitans* *Campylobacter rectus* *Chlamydia pneumoniae* *Eikenella corrodens* *Fusobacterium necrophorum* *Fusobacterium nucleatum* *Porphyromonas gingivalis* *Prevotella intermedia* *Streptococcus mitis* *Streptococcus mutans* *Streptococcus oralis* *Tannerella forsythia* *Treponema denticola*	de Toledo *et al.*, 2012; Figuero *et al.*, 2011; Ford *et al.*, 2005, 2006; Huang *et al.*, 2002; Nakano *et al.*, 2009; Ohki *et al.*, 2012; Okuda *et al.*, 2001; Pucar *et al.*, 2007; Westling and Vondracek, 2008
Adverse pregnancy outcomes (APO)	*Begeyella* spp. *Campylobacter rectus* *Capnocytophaga spp.* *Eikenella corrodens* *Fusobacterium nucleatum* *Peptostreptococcus micros* *Porphyromonas gingivalis* *Prevotella intermedia* *Prevotella nigrescens* *Rothia dentocariosa* *Streptococcus mutans* *Tannerella forsythia* *Treponema denticola*	Bohrer *et al.*, 2012; DiGiulio *et al.*, 2010; Dixon *et al.*, 1994; Garnier *et al.*, 2009; Han et *al.*, 2006, 2009, 2010; Katz *et al.*, 2009; Leon *et al.*, 2007; Madianos *et al.*, 2001; Morency *et al.*, 2006; Wang *et al.*, 2013
Rheumatoid arthritis (RA)	*Fusobacterium nucleatum* *Porphyromonas gingivalis* *Prevotella intermedia* *Prevotella melaninogenica* *Serratia proteamaculans* *Tannerella forsythia*	Martinez-Martinez *et al.*, 2009; Ogrendik *et al.*, 2005; Ogrendik, 2012; Temoin *et al.*, 2012
Inflammatory bowel disease (IBD) and colorectal cancer (CRC)	*Campylobacter concisus* *Fusobacterium nucleatum* *Streptococcus mutans*	Castellarin *et al.*, 2012; Ismail *et al.*, 2012; Kojima *et al.*, 2012; Kostic *et al.*, 2012; Strauss *et al.*, 2011
Respiratory tract infections (RTI)	*Staphylococcus aureus* *Pseudomonas aeruginosa* *Acinetobacter* species *Candida albicans* Enteric species	Heo *et al.*, 2008, 2011
Meningitis or brain abscesses	*Campylobacter rectus* *Fusobacterium necrophorum* *Fusobacterium nucleatum* *Porphyromonas gingivalis* *Streptococcus intermedius*	Al Masalma *et al.*, 2012; Heckmann *et al.*, 2003; Kai *et al.*, 2008; Keller *et al.*, 2010; Saito *et al.*, 2012; Shimohata *et al.*, 2012
Lung, liver, or splenic abscesses	*Fusobacterium necrophorum* *Fusobacterium nucleatum* *Porphyromonas gingivalis* *Prevotella* sp. *Treponema denticola*	Handler *et al.*, 2011; Kuppalli *et al.*, 2012; Lei *et al.*, 2009; Ohyama *et al.*, 2009; Price *et al.*, 2012; Yoneda *et al.*, 2011
Appendicitis	*Fusobacterium necrophorum* *Fusobacterium nucleatum*	Roblin *et al.*, 2012; Swidsinski *et al.*, 2011

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(IV) Potential Virulence Mechanisms of Oral Bacteria in Extra-oral Infections

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