

## APPENDIX 3

### Exclusion Table - Excluded Studies with Reason for Exclusion

Author/ Year	Title	Reason for Exclusion/ Limitations
Kielbassa A. M. <i>et al.</i> , 2006 <sup>5</sup>	Evaluation of cavitations in proximal caries lesions at various magnification levels in vitro	-Used extracted teeth -Bitewing was simulated outside of mouth
Ratledge, D.K. <i>et al.</i> , 2001 <sup>24</sup>	A Clinical and Microbiological Study of Approximal Carious Lesions: Part 1: The Relationship between Cavitation, Radiographic Lesion Depth, the Site-Specific Gingival Index and the Level of Infection of the Dentine	-No 2x2 table is presented or could be constructed from data, therefore sensitivity and specificity could not be calculated -Used extracted teeth -Impression may not accurately represent cavitation -One examiner
Foster, L.V. <i>et al.</i> , 1998 <sup>10</sup>	Three year in vivo investigation to determine the progression of approximal primary carious lesions extending into dentine	-Looked at progression of caries, difficult to compare results directly with other studies -Patients dropped out of study -Limited sample size to draw conclusions -Radiographs not completely reproducible because those made prior to study were not taken with positioning device
Weiss, E.I. <i>et al.</i> , 1996 <sup>17</sup>	Interpretation of bitewing radiographs. Part 2 Evaluation of the size of approximal lesions and need for treatment	-Used in vitro prepared artificial lesions
Downer, M.C. & Kay, E.J., 1996 <sup>25</sup>	Restorative treatment decisions from bitewing radiographs - performance of dental epidemiologists and general dental practitioners	-Used extracted teeth
Hintze, H., and Wenzel, A., 1996 <sup>26</sup>	Clinical and laboratory radiographic caries diagnosis. A study of the same teeth	-Used extracted teeth
Verdonschot, E.H <i>et al.</i> , 1993 <sup>27</sup>	Assessment of diagnostic accuracy in caries detection an analysis of two methods	-Used extracted teeth -No 2x2 table is presented or could be constructed from data, therefore sensitivity and specificity could not be calculated
Waggoner W.F. <i>et al.</i> , 1989 <sup>12</sup>	Predictability of cavitation based upon radiographic appearance: Comparison of two film types	-Used extracted teeth
Espelid & Tveit, 1986 <sup>1</sup>	Accuracy at radiography and probing for the Diagnosis of proximal caries	-Bitewing was simulated outside of mouth -Used probing without magnification -Drilled into tooth to determine depth
Mejare, Grondahl, Carlstedt, et al., 1985 <sup>13</sup>	Accuracy at radiography and probing for the Diagnosis of proximal caries	-Used extracted teeth
Marthaler, T.M. <i>et al.</i> , 1970 <sup>2</sup>	Radiographic and visual appearance of small smooth surface caries lesions studied on extracted teeth	-Used extracted teeth -Depths not evaluated and classified adequately