

## Bijlage 2 : academische en wetenschappelijke referenties

### Geraadpleegde deskundigen :

A) - Professeur José VREVEN, Professeur de dentisterie opératoire et d'endodontie à l'Ecole de Médecine dentaire et de Stomatologie de l'UCLouvain (Woluwé – Saint – Lambert).

B) - Professeur Sabine GEERTS, Chef du Service de dentisterie conservatrice et d'endodontie à l'ULg.

C) - Prof. Bart VAN MEERBEEK – Hoogleraar aan het Departement Tandheelkunde - Afdeling Conserverende tandzorgen – KULeuven

D) - Prof. Roeland DE MOOR – Hoogleraar afdeling restauratieve tandheelkunde en endodontologie, UGent.

E) - Monsieur Pierre PIETTE, dentiste licencié en sciences dentaires, licencié en Médecine d'expertise, Maître de Conférences à l'Université de Liège, dentiste expert près des Tribunaux.

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### Overzicht van de internationale wetenschappelijke literatuur:

Onderstaande lijst bevat de meest relevante literatuurreferenties. Ze is niet exhaustief.

1. MANHART J. & HICKEL R.: *Longevity of Restorations*. In: "Advances in Operative Dentistry: Vol. 2. Challenges of the Future" (ROULET J-F., WILSON N.H.F., FUZZI M.). Chapter 16: 237-292.  
&  
HICKEL R., MANHART J.: *Longevity of restorations in posterior teeth and reasons for failure*. J Adhes Dent. 2001; 3:45-64.

Bemerking van de DGEC: deze vaak geciteerde studie groepeerde de onderzoeksresultaten van verscheidene andere klinische studies. Ze bevat een tabel met mislukingspercentages op jaarbasis van verscheidene types tandrestauratie. De tabel wordt hieronder gedeeltelijk weergegeven.

	ALLE STUDIES SAMEN	STUDIES OVER MEER DAN 3 JAREN	LONGITUDINALE STUDIES	TRANSVERSAL E STUDIES
AMALGAAM	0 – 7	0 – 7	0 – 7	1 - 6.3
DIRECT POSTERIEUR MET COMPOSIT	0.7 – 9	0.7 – 9	0.7 – 5.9	3.3 – 9

2. MANHART J., CHEN H., HAMM G., HICKEL R. Buonocore Memorial Lecture: *Review of the clinical survival of direct and indirect restorations in posterior teeth of the permanent dentition*. Oper Dent. 2004 Sep-Oct; 29 (5): 481-508.

3. VAN NIEUWENHUYSEN J.-P., D'HOORE W., CARVALHO J., QVIST V.: *Long-term evaluation of extensive restorations in permanent teeth*. Journal of Dentistry (2003) 31, 395-405.
4. BONTE E., DUPUIS S., BOUTER D., LASFARGUES J.J. : *Evaluation des restaurations coronaires postérieures en pratique généraliste*. Rev Odont Stomat 2004; 33: 77-190.
5. URCAM (Union Régionale des Caisses d'Assurance Maladie) – Haute Normandie : *La qualité des restaurations coronaires dentaires – Rapport de l'étude régionale*, janvier 2005.  
[http://ars.nordpasdecalsais.sante.fr/fileadmin/HAUTE-NORMANDIE/publications/rapport\\_final\\_obturations.pdf](http://ars.nordpasdecalsais.sante.fr/fileadmin/HAUTE-NORMANDIE/publications/rapport_final_obturations.pdf)
6. SCHABLEGER K., PFOSE N. & WAGNER O.: *Identifikation von Kovariableneinflüssen in der Füllungstherapie*. In: "Austrian Journal of Statistics: Volume 36 (2007), Number 2, 127-139.  
&  
SCHABLEGER K.: *Der Einsatz von Lebensdaueranalysen bei Zahnfüllungen – Neue Aspekte zur Qualitätssicherung und vertraglichen Ausgestaltung der Füllungstherapie*. In: Gesundheitswissenschaften – Dokumente 8, Linz, April 2006.
7. OPDAM N.J.M., LOOMANS B.A.C., ROETERS F.J.M., BRONKHORST E.M.: *Five-year clinical performance of posterior resin composite restorations placed by dental students*. Journal of Dentistry (2004) 32, 379-383.
8. OPDAM N.J.M., BRONKHORST E.M., ROETERS J.M., LOOMANS B.A.C.: *A retrospective clinical study on longevity of posterior composite and amalgam restorations*. Dental materials (2007) 23, 2-8.
9. OPDAM N.J.M., BRONKHORST E.M., LOOMANS B.A., HUYSMANS M.C.: *12-year survival of composite vs. amalgam restorations*. J Dent Res. 2010 Oct ; 89 (10): 1063-7. Epub 2010 Jul 26
10. MJÖR I.A.: *Amalgam and composite resin restorations: longevity and reasons for replacement*, In: Quality evaluation of dental restorations, Anusavice K. (ed) Chicago: Quintessence Publishing, 1989.
11. Richard J. Mitchell, PhD, Mari Koike, DDS, PhD, Toru Okabe, PhD: *Posterior Amalgam Restorations - Usage, Regulation, and Longevity* Dent Clin N Am 51 (2007) 573–589
12. Burke FJ, Lucarotti PS. *How long do direct restorations placed within the general dental services in England and Wales survive?* Br Dent J. 2009 Jan 10;206(1):E2; discussion 26-7. Epub 2008 Dec 5.
13. PEUMANS M., DE MUNCK J., VAN LANDUYT K.L., POITEVIN A., LAMBRECHTS P., VAN MEERBEEK B.: *Eight-year clinical evaluation of a 2-step self-etch adhesive with and without selective enamel etching*. Dent Mater. 2010 Dec (12): 1176-84. Epub 2010 Oct 13.
14. PEUMANS M., DE MUNCK J., VAN LANDUYT K.L., POITEVIN A., LAMBRECHTS P., VAN MEERBEEK B.: *A 13-year clinical evaluation of two three-step etch-and-rinse adhesives in non-carious class-V lesions*. Clin Oral Investig. 2010 Oct 8. [Epub ahead of print].
15. VAN MEERBEEK B., PEUMANS M., POITEVIN A., MINE A., VAN ENDE A., NEVES A., DE MUNCK J.: *Relationship between bond-strength tests and clinical outcomes*. Dent Mater. 2010 Feb; 26 (2): e100-21. Epub 2009 Dec 16. Review.

16. PALANIAPPAN S., BHARADWAJ D., MATTAR D.L., PEUMANS M., VAN MEERBEEK B., LAMBRECHTS P.: *Three-year randomized clinical trial to evaluate the clinical performance and wear of a nanocomposite versus a hybrid composite*. Dent Mater. 2009 Nov; 25 (11):1302-14. Epub 2009 Jul 3.
17. VAN LANDUYT K.L., PEUMANS M., FIEUWS S., DE MUNCK J., CARDOSO M.V., ERMIS R.B., LAMBRECHTS P., VAN MEERBEEK B.: *A randomized controlled clinical trial of a HEMA-free all-in-one adhesive in non-carious cervical lesions at 1 year*. J Dent. 2008 Oct; 36 (10): 847-55. Epub 2008 Jul 25.
18. PEUMANS M., KANUMILLI J., DE MUNCK J., VAN LANDUYT K., LAMBRECHTS P., VAN MEERBEEK B.: *Clinical effectiveness of contemporary adhesives: A systematic review of current clinical trials*. Dental Materials (2005) 21, 864-881.
19. PEUMANS M., VAN MEERBEEK B. & LAMBRECHTS P.: *The 5-year clinical performance of direct composite additions to correct tooth form and position*. Clin Oral Invest 1997; 1: 19-26.
20. PEUMANS M., DE MUNCK J., VAN LANDUYT K.L., KANUMILLI P., YOSHIDA Y., INOUE S., LAMBRECHTS P., VAN MEERBEEK B. : *Restoring cervical lesions with flexible composites*. Dental Materials (2007) 23, 749-754.
21. MORTELMANS E., BERGHMANS J., JUSTENS M.: *Quality dental care: a complex subject*. Rev Belge Med Dent. 2008; 63 (3): 108-24.
22. DE MOOR R., DELME K.: *Wit of zwart – wat “kiezen” voor de “kiezen”?* Deel 2. *Keuze voor amalgam of composiet bij posterieur tandherstel*. Belgisch Tijdschrift voor Tandheelkunde 2008/4, 135-46. E
23. ERNST C.P., MARTIN M., STUFF S. & WILLERSHAUSEN B.: *Clinical performance of a packable resin composite for posterior teeth after 3 years*. Clin Oral Investig 2001; 5: 148-155.
24. RASKIN A., MICHOTTE-THEALL B., VREVEN J. & WILSON N.H.F.: *Clinical evaluation of a posterior composite 10-year report*. J Dent 1999; 27: 13-19.
25. KÖHLER B., RASMUSSEN C.G. & ÖDMAN P.: *A five-year clinical evaluation of class II composite resin restorations*. J Dent Res 2000; 28: 11-116.
26. BUSATO A.L., LOGUERCIO A.D., REIS A. & DE OLIVEIRA CARRILHO M.R.: *Clinical evaluation of posterior composite restorations: 6-year results*. Am J Dent 2001; 14: 304-308.
27. COLLINS C.J., BRYANT R.W. & HODGE K.L.V.: *A clinical evaluation of posterior composite resin restorations: 8-years findings*. J Dent Res 1998; 26: 311-317.
28. 26) SWIFT J. et al: *Clinical evaluation of two one-bottle dentin adhesives at three years*. J Am Assoc 2001; 132: 1117-1123.
29. KÄKILEHTO T.; SALO S.; LARMAS M.: *Data mining of clinical oral health documents for analysis of the longevity of different restorative materials in Finland*. International Journal of Medical Informatics; 2009; 78: e68-e74.
30. EL-MOWAFY OM., LEWIS DW., BENMERGUI C., LEVINTON C.: *Meta-analysis on long term clinical performance of posterior composite restorations*. J. Dent. 1994; 22: 33-43. (citée également dans le cours du Professeur VREVEN : Présentation PPT: « v11 INTRO DO BAC2 0708 », diapositive n° 53.

31. BERNARDO M., LUIS H., MARTIN M. D., LEROUX B. G., LEITAO J., DEROUEN T. A.: *Survival and reasons for failure of amalgam versus composite posterior restorations placed in a randomized clinical trial.* J. Am. Dent. Assoc. 2007; 138: 775-183.
32. EL-MOWAFY OM., LEWIS DW., BENMERGUI C., LEVINTON C.: *Meta-analysis on long term clinical performance of posterior composite restorations.* J. Dent. 1994; 22: 33-43. (citée également dans le cours du Professeur VREVEN : Présentation PPT: « v11 INTRO DO BAC2 0708 », diapositive n° 53.
33. JOKSTAD A., MJÖR I.A., QVIST V. : *The age of restorations in situ.* Acta Odontologica Scandinavica; 1994; vol. 52: 234-242.
34. MJÖR I.A.; DAHL J.E.; MOORHEAD J.E.: *Age of restorations at replacement in permanent teeth in general dental practice.* Acta Odontol Scan; 2000; 58: 97-101.
35. DA ROSA RODOLPHO P.A., CENCI M.S., DONASSOLO T.A., LOGUERICO A. D., DEMARCO F.F.: *A clinical evaluation of posterior composite restorations: 17-years findings.* Journal of Dentistry; 2006; 34: 427-435.
36. Poyser NJ, Briggs PF, Chana HS, Kelleher MG, Porter RW, Patel MM. *The evaluation of direct composite restorations for the worn mandibular anterior dentition - clinical performance and patient satisfaction.* J Oral Rehabil. 2007 May;34(5):361-76.