**Press Release**

**Australian-Japanese collaboration advances oral health worldwide**

**Thirty years ago, a research group from the University of Melbourne led by Prof. Eric Reynolds investigated a milk protein called casein until they were able to break it up and stabilise a calcium phosphate nanocomplex by fragments of this protein. This complex, called casein phosphopeptide-amorphous calcium phosphate (CPP-ACP), was trademarked as ‘Recaldent™’.**

At GC, Recaldent has been incorporated into a range of preventive products that are now available in over 50 countries. Tooth Mousse™, MI Paste Plus™ and MI Varnish™ are products containing Recaldent that are available in Europe.

The preventive effect of Recaldent has been widely studied, including its effect on remineralisation and hypersensitivity. Products with Recaldent are often recommended as part of the treatment of molar incisor hypomineralisation, a developmental enamel defect that affects 1 in 7 children. It can also be particularly interesting in young children, because the fluoride use is restricted to lower levels here, due to the risk of fluorosis. But it also has additional benefits along to standard fluoride treatment. MI Varnish and MI Paste Plus combine Recaldent with fluoride, and are excellent treatment options for hypersensitivity and strengthening of the enamel in the adult population as well, such as the treatment of root caries. Synergistic effects with other preventive substances are currently explored to further improve the beneficial effects.

Professor Eric Reynolds is currently the head of the Melbourne Dental School and Oral Biology Research Group of the University of Melbourne and CEO of Oral Health CRC. The collaboration between the Australian University and GC has been mutually beneficial and is not confined solely to matters of business; it has enabled that the benefits of Recaldent could be put into further practice. Prof. Eric Reynolds has received Prime Minister’s Prize for Innovation last year for inventing and commercialising Recaldent.

You can watch the video about this Japanese-Australian cooperation here:

<https://youtu.be/EbKCgPMR0II>

Do you want to find out more about GC’s preventive products?

<https://www.gceurope.com/products/prevent/#prevent>

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