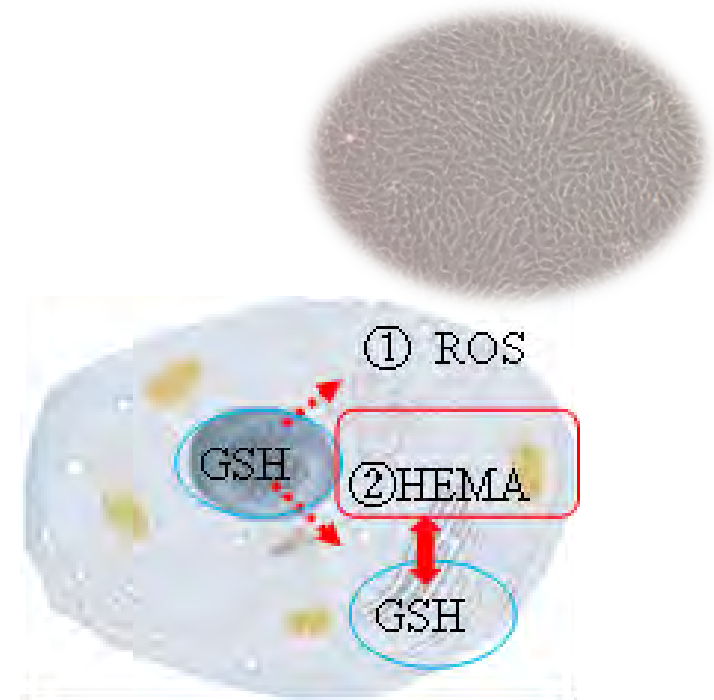
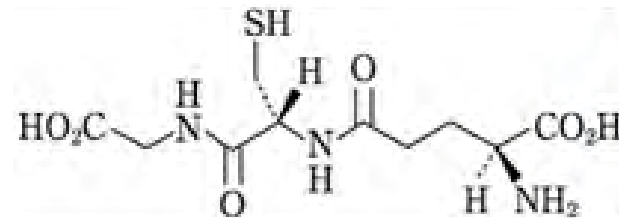
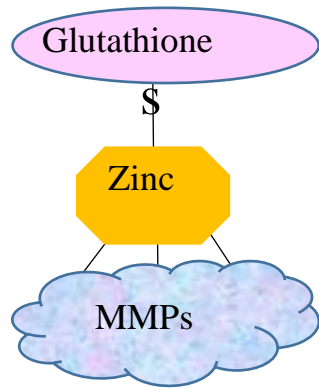


Application of Non-Protein Thiols on dentin application



Dental applications of the non-protein thiol antioxidants N-acetylcysteine and glutathione were tested and found to have a detoxifying role in protecting pulp cells from HEMA, and also inactivate MMPs proteolytic enzymes. These findings suggest that they may be effective in protecting dental pulp and improving adhesion in adhesive restorations.

- GSH: Reduced glutathione
ROS: Radical Oxygen Species
- ① GSH deleterious effects of ROS
 - ② GSH binding to HEMA