

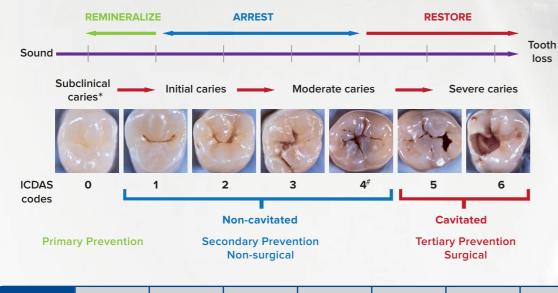


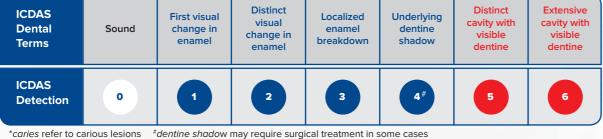
# **Caries Prevention and Management Chairside Guide**

The goal is to reduce the impact of caries development by intervening as soon as possible to manage further tooth destruction, and reversing the caries process in favour of remineralization. Ideally, the management of early caries lesions should involve the least invasive approach capable of preventing disease progression and empowering the patient to improve and maintain their own oral health.

## **Understanding Lesion Activity**

The essential challenge is to differentiate between firstly a lesion which is active today and continuing to suffer net loss of mineral, with demineralization being out of balance with remineralization, as opposed to a lesion of similar severity which has been "switched off" and become inactive, i.e. arrested or remineralized. The clinical and economic implications of making the correct activity assessment are profound.





## **Determining Caries Risk**

Assessing a patient's caries risk is essential in determining the appropriate level of preventive care. Previous caries experience is often the best indicator but several other factors should be considered when assessing risk.

| HIGH<br>3 or more incipient or cavitated<br>primary or secondary caries lesions<br>in the last 2 years   |                                 | MODERATE   | LOW  |
|--|---------------------------------|--|--|
|  |                                 | 2 incipient or cavitated primary<br>econdary caries lesions in the<br>last 2 years | No incipient or cavitated primary<br>secondary caries lesions during<br>last 2 years and no change in th<br>risk factors that may increase car |
| <ul> <li>Additional preventive measures are indicated:</li> <li>Patient education (oral hygene, dietary counselling)</li> <li>Protective factors (fluoride, sealants, salivary stimulation)</li> </ul> |                                 |  | No additional interventions indicated  |
|  |                                 | s Pathological & Protec  |  |
| Pathological Factors   |                                 | rs Prot  | ective Factors   |
|  | Frequent consumption of dietary |  | h-healthy diet   |
|  | sugars<br>▶ Inadequate fluoride |  | ride toothpaste twice daily  |
| Biofilm homeostatic imbalance     Salivary dysfunction   |                                 | Prof   |  |
|  |                                 |  | essional topical fluoride<br>entive and therapeutic<br>ants  |
|  |                                 | Prev seal  | entive and therapeutic   |
| ► Salivary   |                                 | ► Prev<br>seal<br>► Norr   | entive and therapeutic<br>ants   |
| <ul> <li>Salivary</li> <li>Demir</li> <li>Diseas</li> </ul>  | e dysfunction                   | Prevseal<br>Norr   | entive and therapeutic<br>ants<br>nal salivary function  |

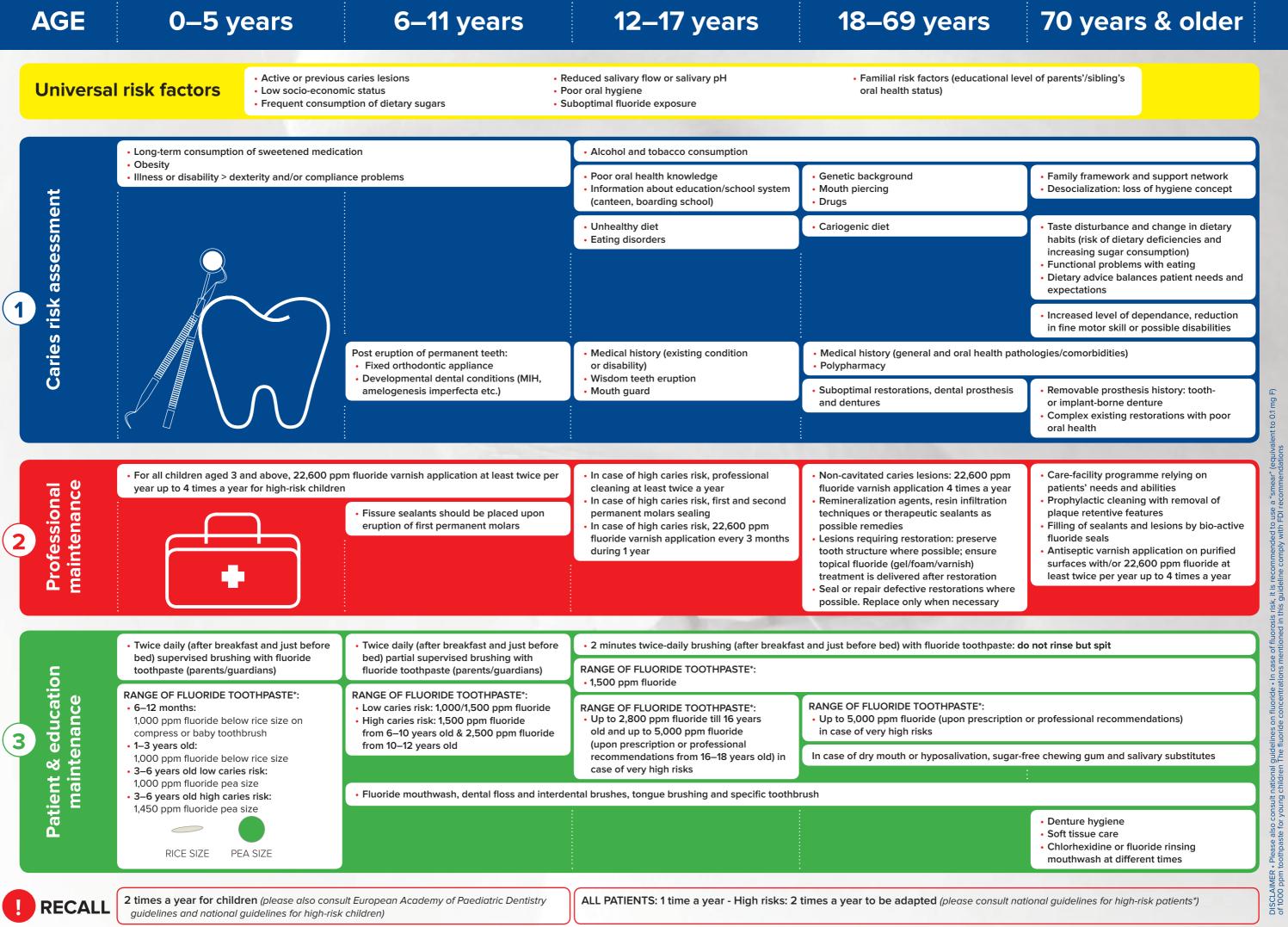
| Action Points   |  |  |  |
|---|--|--|--|
| <ul> <li>Assess lesion activity</li> <li>Target appropriate level of intervention</li> <li>Prevent more damage</li> </ul> | <ul> <li>Assess caries risk</li> <li>Favour preventive measures</li> <li>Minimize surgical intervention</li> </ul> | <ul> <li>Convert actively progressing lesions int<br/>arrested controlled ones</li> <li>Improve patients' oral health behaviour</li> </ul> |  |

The following caries risk assessment system is age-specific to account for varying risk factors throughout life

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comply

s risk, it is reco this guideline