

## 2017 Classification of Periodontal Diseases: BSP Implementation in DEPPA

The 2017 World Workshop Classification system for periodontal and peri-implant diseases and conditions was developed to accommodate advances in knowledge derived from both biological and clinical research that have emerged since the 1999 International Classification of Periodontal Diseases. The British Society of Periodontology provided guidance on how this should be implemented in practice through publications in the BDJ, a flowchart, and a series of webinars which are freely available. Links to these can be found on the BSP website.

The calculation of the Staging and Grading has now been incorporated into DEPPA by means of an optional set of 4 additional questions as shown below. These do not affect the underlying DEPPA scoring but generate the classification text on the last page of the report, where inputs are also shown. To activate it, tick the Stage and Grade per 2017 Classification box.

Stage and Grade per 2017 Classification ?

### Extent of bone loss

Molar-incisor pattern       <30% of teeth       ≥30% of teeth

### Extent of bleeding on probing (BOP)

<10%       10-30%       ≥30%

### Percentage interproximal bone loss at worst site

%

### Is there bleeding at a PPD 4mm site?

Yes       No

- The ? next to the “Stage and Grade per 2017 Classification” takes you to the BSP flowchart for easy reference.
- If there is no bone loss of  $\geq 2$ mm then only the BOP question will be editable, and this will generate the Health / Localised or generalised gingivitis text.
- Extent of bone loss gives you the Extent.
- The Percentage interproximal bone loss at worst site is used to calculate Stage I-IV and when divided by age, calculates the Grade A-C
- The BOP in combination with BOP at a 4mm site gives you the assessment of periodontal disease Status, i.e. stable, remission or unstable. The formula cross-checks existing inputs to see if there is 5mm+ pocketing, in which case it returns the text ‘unstable’.
- DEPPA obviously gives you periodontal disease risk.

Currently the classification calculation is only available when DEPPA is accessed through your internet browser, i.e. not through your practice management software. This would require further development by the software providers.