CLAIMS

1. A computing platform that receives dental images, the computing platform configured to:

analyse each dental image with an algorithm trained to recognise teeth wearing dental aligners within the dental image and identify one or more teeth with an unacceptable gap between its top and a facing inner surface of the dental aligner, the gap being empty and transparent; and

harness an output of the algorithm to provide a recommendation on a next course of action with respect to a dental aligner application strategy, wherein the output of the algorithm comprises an indication of a number of identified teeth with the unacceptable gap from an accumulation of images taken at different angles, whereby the recommendation on the next course of action is based on the number of identified teeth with the unacceptable gap.

2. The computing platform of claim 1, wherein the recommendation on the next course of action is decided on the output of the algorithm having complied with one or more conditions.

3. The computing platform of claim 2, wherein the recommendation on the next course of action comprises one or more of a duration to extend wear of a current dental aligner, use of a chewing device, progressing to a next dental aligner and directing for a new set of dental aligners to be made.

4. The computing platform of claim 3, wherein the duration to extend wear of the current dental aligner increases with the number of identified teeth with the unacceptable gap.

5. The computing platform of claim 3 or 4, wherein the recommendation to progress to the next dental aligner is provided when the number of identified teeth with the unacceptable gap is below a threshold value.

6. The computing platform of any one of the preceding claims, wherein the received dental images comprise those of patients after having worn their dental aligners over a prescribed duration.

7. The computing platform of claim 6, wherein the recommendation on the next course of action for a patient is based on a plurality of the dental images for that patient after having worn their dental aligner over the prescribed duration.

8. The computing platform of any one of the preceding claims, wherein prior to the receipt of the dental images for analysis, the algorithm is trained on dental images having labels of teeth wearing dental aligners.

9. The computing platform of claim 8, wherein the labels indicate the teeth which have an unacceptable gap between its top and a facing inner surface of the dental aligner and the teeth which have an acceptable gap between its top and a facing inner surface of the dental aligner.

10. The computing platform of claim 8 or 9, wherein the labels comprise use of a bounding box having a boundary spanning from middle of the tooth to a corresponding segment of the dental aligner.

11. The computing platform of any one of the preceding claims, wherein the output of the algorithm further comprises a confidence score for each tooth having an acceptable or unacceptable gap in each dental image.

12. The computing platform of claim 1, wherein the recommendation on the next course of action uses an artificial intelligence engine.

13. A method for determining dental aligner fit, the method comprising:

analysing each received dental image with an algorithm trained to recognise teeth wearing dental aligners within the dental image;

identifying one or more teeth with an unacceptable gap between its top and a facing inner surface of the dental aligner, the gap being empty and transparent; and

harnessing an output of the algorithm to provide a recommendation on a next course of action with respect to a dental aligner application strategy, wherein the output of the algorithm comprises an indication of a number of identified teeth with the unacceptable gap from an accumulation of images taken at different angles, whereby the recommendation on the next course of action is based on the number of identified teeth with the unacceptable gap.