

## Supplementary Tables and Figures

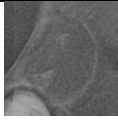
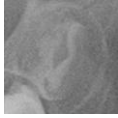
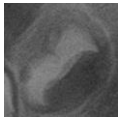
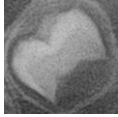
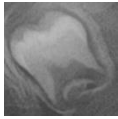
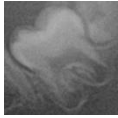
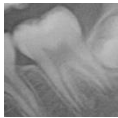
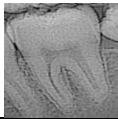
| Stage |                                                                                     | Descriptive criteria                                                                                                                                                                                                                                                                                                                                                                        |
|-------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A     |    | Beginning of calcification is seen at the superior level of the crypt. No fusion of calcified points                                                                                                                                                                                                                                                                                        |
| B     |    | Fusion of calcified points gives a regularly outlined occlusal surface                                                                                                                                                                                                                                                                                                                      |
| C     |    | <ul style="list-style-type: none"> <li>a. Enamel formation is completed at the occlusal surface and extends to cervical region</li> <li>b. Beginning of dentinal deposit</li> <li>c. Outline of the pulp chamber has a curved shape</li> </ul>                                                                                                                                              |
| D     |   | <ul style="list-style-type: none"> <li>a. Crown formation is completed to CEJ</li> <li>b. Superior border of pulp chamber is definite curved form in unradicular teeth, trapezoidal form in molars</li> <li>c. Root formation is seen like spicule</li> </ul>                                                                                                                               |
| E     |  | <p>Unradicular teeth</p> <ul style="list-style-type: none"> <li>a. Walls of pulp chamber form straight lines</li> <li>b. Root length is less than crown height</li> </ul> <p>Molar</p> <ul style="list-style-type: none"> <li>a. Radicular bifurcation forms initially</li> <li>b. Root length is less than crown height</li> </ul>                                                         |
| F     |  | <p>Unradicular teeth</p> <ul style="list-style-type: none"> <li>a. Walls of pulp chamber form isosceles triangle. Apex is funnel shape</li> <li>b. Root length is equal to or greater than crown height</li> </ul> <p>Molar</p> <ul style="list-style-type: none"> <li>a. Radicular bifurcation forms initially</li> <li>b. Root length is equal to or greater than crown height</li> </ul> |
| G     |  | Walls of root canal are parallel and its apical end is partially open (Distal root in molars)                                                                                                                                                                                                                                                                                               |
| H     |  | <ul style="list-style-type: none"> <li>a. Apical end is completely closed (Distal root in molars)</li> <li>b. Periodontal membrane has a uniform width</li> </ul>                                                                                                                                                                                                                           |

**Figure S1.** The developmental stages for third molars and descriptive criteria of Demirjian's system. The criterion was modified from the article of Demirjian et al. (12), as presented in (9).

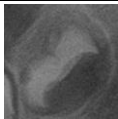
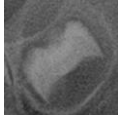
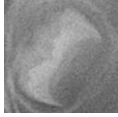
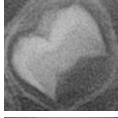
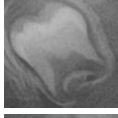
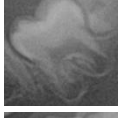
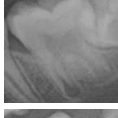
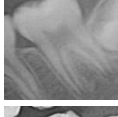
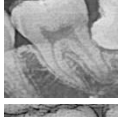
| Stage             |                                                                                     | Criteria                                        |
|-------------------|-------------------------------------------------------------------------------------|-------------------------------------------------|
| Cr <sub>1/2</sub> |    | Half of the crown calcified                     |
| Cr <sub>3/4</sub> |    | 3/4 of the crown calcified                      |
| Cr <sub>c</sub>   |    | Crown completely calcified                      |
| R <sub>i</sub>    |    | Starting root formation                         |
| R <sub>1/4</sub>  |    | 1/4 of the root calcified                       |
| R <sub>1/2</sub>  |   | 1/2 of the root calcified                       |
| R <sub>3/4</sub>  |  | 3/4 of the root calcified                       |
| R <sub>c</sub>    |  | Root length completed and diverging root canal  |
| A <sub>1/2</sub>  |  | Root length completed and parallel root canal   |
| A <sub>c</sub>    |  | Root length completed and converging root canal |

**Figure S2.** The developmental stages for third molars and criteria of Köhler's system. The criterion was modified and translated into English from the article of Köhler et al. (13), as presented in (9).

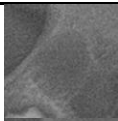
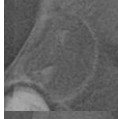
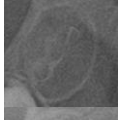
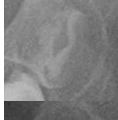
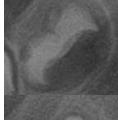
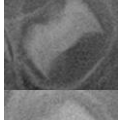
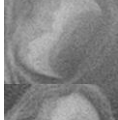
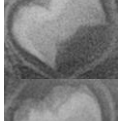
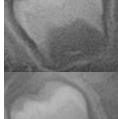
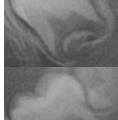
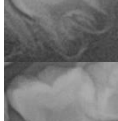
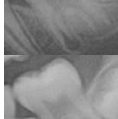
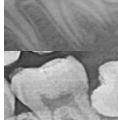
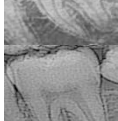
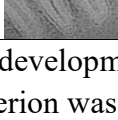
| Stage            |                                                                                     | Descriptive criteria                                                                                                            |
|------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| C <sub>r</sub>   |    | Radioluscent area visible within alveolar bone                                                                                  |
| C <sub>i</sub>   |    | One or more separate cusp tip(s) visible within crypt                                                                           |
| C <sub>co</sub>  |    | Two or more cusp tips coalesced                                                                                                 |
| C <sub>oc</sub>  |    | Crown outline, including marginal ridges. Enamel and dentine but less intense radio-opacity than full thickness                 |
| C <sub>1/2</sub> |    | Thicker enamel of the crown occlusal surface radio-opaque with some dentine visible. Flat inferior dentine border               |
| C <sub>3/4</sub> |    | Full thickness occlusal enamel with considerable approximal dentine at the contact points. Curved inferior border               |
| C <sub>c</sub>   |   | Approximal enamel complete to neck of tooth. Roof of pulp chamber visible                                                       |
| R <sub>i</sub>   |  | Some root visible approximally, but less than half crown height                                                                 |
| R <sub>cl</sub>  |  | Beginning of root furcation visible as a dot or line                                                                            |
| R <sub>1/4</sub> |  | Clear semilunar furcation visible. If taurodont, approximal root length about half of crown height                              |
| R <sub>1/2</sub> |  | Root bifurcation more extensive. Approximal root length equal to crown height. Distal root canal walls diverge with sharp edges |
| R <sub>3/4</sub> |  | Root length considerably more than crown height and root canal walls diverge                                                    |
| R <sub>c</sub>   |  | Walls of the distal root canal are parallel and full length with rounded/blunt edges                                            |
| A <sub>1/2</sub> |  | Apex of distal root partially open. Periodontal ligament slightly wider at distal apex                                          |
| A <sub>c</sub>   |  | Distal apex appears closed, with uniform periodontal ligament width                                                             |

**Figure S3.** The developmental stages for third molars and descriptive criteria of Liversidge's system. The criterion was modified from the article of Liversidge (14), as presented in (9).

10 **Table S1.** Descriptive statistics of  $I_{3M}$  by age group in male participants

| Age group<br>(years) | Side  | Mean $\pm$ SD   | Min. | Median | Max. |
|----------------------|-------|-----------------|------|--------|------|
| 15.00–15.99          | Left  | 0.41 $\pm$ 0.23 | 0.02 | 0.38   | 1.66 |
|                      | Right | 0.43 $\pm$ 0.25 | 0.06 | 0.38   | 1.96 |
| 16.00–16.99          | Left  | 0.32 $\pm$ 0.18 | 0.00 | 0.30   | 0.99 |
|                      | Right | 0.31 $\pm$ 0.18 | 0.00 | 0.27   | 0.87 |
| 17.00–17.99          | Left  | 0.20 $\pm$ 0.17 | 0.00 | 0.16   | 0.88 |
|                      | Right | 0.20 $\pm$ 0.17 | 0.00 | 0.16   | 0.93 |
| 18.00–18.99          | Left  | 0.17 $\pm$ 0.14 | 0.00 | 0.14   | 0.93 |
|                      | Right | 0.18 $\pm$ 0.13 | 0.00 | 0.15   | 0.75 |
| 19.00–19.99          | Left  | 0.10 $\pm$ 0.12 | 0.00 | 0.07   | 0.73 |
|                      | Right | 0.12 $\pm$ 0.13 | 0.00 | 0.08   | 0.88 |
| 20.00–20.99          | Left  | 0.05 $\pm$ 0.05 | 0.00 | 0.04   | 0.33 |
|                      | Right | 0.05 $\pm$ 0.05 | 0.00 | 0.04   | 0.41 |
| 21.00–21.99          | Left  | 0.05 $\pm$ 0.07 | 0.00 | 0.04   | 0.55 |
|                      | Right | 0.05 $\pm$ 0.06 | 0.00 | 0.03   | 0.54 |

11 CA, chronological age; SD, standard deviation; Min, minimum; Max, maximum;  $I_{3M}$ , third  
12 molar maturity index.

**Table S2.** Descriptive statistics of  $I_{3M}$  by age group in female participants

| Age group<br>(years) | Side  | Mean $\pm$ SD   | Min. | Median | Max. |
|----------------------|-------|-----------------|------|--------|------|
| 15.00–15.99          | Left  | $0.54 \pm 0.27$ | 0.00 | 0.50   | 1.45 |
|                      | Right | $0.52 \pm 0.24$ | 0.00 | 0.47   | 1.10 |
| 16.00–16.99          | Left  | $0.37 \pm 0.22$ | 0.00 | 0.31   | 1.29 |
|                      | Right | $0.37 \pm 0.21$ | 0.00 | 0.31   | 1.23 |
| 17.00–17.99          | Left  | $0.26 \pm 0.18$ | 0.00 | 0.21   | 1.01 |
|                      | Right | $0.27 \pm 0.18$ | 0.00 | 0.22   | 1.18 |
| 18.00–18.99          | Left  | $0.22 \pm 0.17$ | 0.00 | 0.16   | 0.86 |
|                      | Right | $0.21 \pm 0.18$ | 0.00 | 0.15   | 0.93 |
| 19.00–19.99          | Left  | $0.14 \pm 0.14$ | 0.00 | 0.10   | 0.83 |
|                      | Right | $0.14 \pm 0.14$ | 0.00 | 0.09   | 0.81 |
| 20.00–20.99          | Left  | $0.11 \pm 0.13$ | 0.00 | 0.07   | 0.79 |
|                      | Right | $0.12 \pm 0.13$ | 0.00 | 0.09   | 0.84 |
| 21.00–21.99          | Left  | $0.07 \pm 0.09$ | 0.00 | 0.04   | 0.60 |
|                      | Right | $0.06 \pm 0.09$ | 0.00 | 0.04   | 0.68 |

CA, chronological age; SD, standard deviation; Min, minimum; Max, maximum;  $I_{3M}$ , third molar maturity index.

**Table S3.** Descriptive statistics of  $I_{3M}$  by age group in combined-sex participants

| Age group<br>(years) | Side  | Mean $\pm$ SD   | Min. | Median | Max. |
|----------------------|-------|-----------------|------|--------|------|
| 15.00–15.99          | Left  | $0.48 \pm 0.26$ | 0.00 | 0.42   | 1.66 |
|                      | Right | $0.48 \pm 0.25$ | 0.00 | 0.43   | 1.96 |
| 16.00–16.99          | Left  | $0.34 \pm 0.20$ | 0.00 | 0.30   | 1.29 |
|                      | Right | $0.34 \pm 0.20$ | 0.00 | 0.30   | 1.23 |
| 17.00–17.99          | Left  | $0.23 \pm 0.18$ | 0.00 | 0.18   | 1.01 |
|                      | Right | $0.23 \pm 0.18$ | 0.00 | 0.19   | 1.18 |
| 18.00–18.99          | Left  | $0.20 \pm 0.16$ | 0.00 | 0.15   | 0.93 |
|                      | Right | $0.19 \pm 0.16$ | 0.00 | 0.15   | 0.93 |
| 19.00–19.99          | Left  | $0.12 \pm 0.13$ | 0.00 | 0.08   | 0.83 |
|                      | Right | $0.13 \pm 0.13$ | 0.00 | 0.09   | 0.88 |
| 20.00–20.99          | Left  | $0.08 \pm 0.10$ | 0.00 | 0.05   | 0.79 |
|                      | Right | $0.09 \pm 0.11$ | 0.00 | 0.05   | 0.79 |
| 21.00–21.99          | Left  | $0.06 \pm 0.08$ | 0.00 | 0.04   | 0.60 |
|                      | Right | $0.06 \pm 0.08$ | 0.00 | 0.04   | 0.68 |

CA, chronological age; SD, standard deviation; Min, minimum; Max, maximum;  $I_{3M}$ , third molar maturity index.

**Table S4.** Intra- and inter-observer reliability for I<sub>3M</sub> measurements (a) and stage-based age estimation methods (b)

(a) Intraclass correlation coefficient (ICC) for I<sub>3M</sub> measurements

| Side  | Intra-observer (95% CI) | Inter-observer (95% CI) |
|-------|-------------------------|-------------------------|
| Left  | 0.925 (0.901–0.942)     | 0.936 (0.920–0.949)     |
| Right | 0.853 (0.813–0.884)     | 0.849 (0.813–0.879)     |

(b) Cohen's kappa ( $\kappa$ ) for stage-based assessments

| Side  | Criteria | Intra-observer (95% CI) | Inter-observer (95% CI) |
|-------|----------|-------------------------|-------------------------|
| Left  | DMJ      | 0.853 (0.811–0.895)     | 0.864 (0.829–0.898)     |
|       | KHL      | 0.857 (0.813–0.901)     | 0.855 (0.815–0.895)     |
|       | LVD      | 0.869 (0.828–0.911)     | 0.880 (0.848–0.912)     |
| Right | DMJ      | 0.882 (0.847–0.917)     | 0.880 (0.851–0.909)     |
|       | KHL      | 0.882 (0.845–0.919)     | 0.878 (0.842–0.914)     |
|       | LVD      | 0.905 (0.873–0.937)     | 0.906 (0.879–0.933)     |

I<sub>3M</sub>, third molar maturity index; DMJ, Demirjian; KHL, Köhler; LVD, Liversidge; CI, confidence interval. Reliability was evaluated using the same subset of 280 panoramic radiographs. All ICC values were statistically significant ( $P < 0.001$ ).

**Table S5.** Binary logistic regression coefficients and predicted-probability cut-offs by indicator and side in males

| Side  | Criteria        | Predictor       | B      | S. E  | P-value | Exp(B) | Predicted-probability cut-off |
|-------|-----------------|-----------------|--------|-------|---------|--------|-------------------------------|
| Left  | I <sub>3M</sub> | I <sub>3M</sub> | -9.607 | 0.625 | < 0.001 | 0.000  | 0.57                          |
|       |                 | Intercept       | 1.975  | 0.124 | < 0.001 | 7.208  |                               |
|       | DMJ             | DMJ             | 1.254  | 0.079 | < 0.001 | 3.505  | 0.62                          |
|       |                 | Intercept       | -7.627 | 0.502 | < 0.001 | 0.000  |                               |
|       | KHL             | KHL             | 0.747  | 0.044 | < 0.001 | 2.110  | 0.56                          |
|       |                 | Intercept       | -4.959 | 0.312 | < 0.001 | 0.007  |                               |
|       | LVD             | LVD             | 0.706  | 0.044 | < 0.001 | 2.027  | 0.62                          |
|       |                 | Intercept       | -8.317 | 0.541 | < 0.001 | 0.000  |                               |
| Right | I <sub>3M</sub> | I <sub>3M</sub> | -9.692 | 0.636 | < 0.001 | 0.000  | 0.61                          |
|       |                 | Intercept       | 2.004  | 0.126 | < 0.001 | 7.419  |                               |
|       | DMJ             | DMJ             | 1.332  | 0.082 | < 0.001 | 3.787  | 0.63                          |
|       |                 | Intercept       | -8.084 | 0.523 | < 0.001 | 0.000  |                               |
|       | KHL             | KHL             | 0.759  | 0.045 | < 0.001 | 2.135  | 0.57                          |
|       |                 | Intercept       | -5.010 | 0.315 | < 0.001 | 0.007  |                               |
|       | LVD             | LVD             | 0.750  | 0.046 | < 0.001 | 2.116  | 0.63                          |
|       |                 | Intercept       | -8.822 | 0.564 | < 0.001 | 0.000  |                               |

I<sub>3M</sub>, third molar maturity index; DMJ, Demirjian; KHL, Köhler; LVD, Liversidge; B, regression coefficient; S.E., standard error; Exp(B), odds ratio. Adult was coded as 1 and minor as 0.

**Table S6.** Binary logistic regression coefficients and predicted-probability cut-offs by indicator and side in females

| Side  | Criteria        | Predictor       | B      | S. E  | P-value | Exp(B) | Predicted-probability cut-off |
|-------|-----------------|-----------------|--------|-------|---------|--------|-------------------------------|
| Left  | I <sub>3M</sub> | I <sub>3M</sub> | -6.981 | 0.474 | < 0.001 | 0.001  | 0.67                          |
|       |                 | Intercept       | 1.872  | 0.121 | < 0.001 | 6.503  |                               |
|       | DMJ             | DMJ             | 1.124  | 0.072 | < 0.001 | 3.078  | 0.68                          |
|       |                 | Intercept       | -6.477 | 0.438 | < 0.001 | 0.002  |                               |
|       | KHL             | KHL             | 0.752  | 0.046 | < 0.001 | 2.122  | 0.64                          |
|       |                 | Intercept       | -4.608 | 0.301 | < 0.001 | 0.010  |                               |
|       | LVD             | LVD             | 0.633  | 0.040 | < 0.001 | 1.883  | 0.69                          |
|       |                 | Intercept       | -7.078 | 0.474 | < 0.001 | 0.001  |                               |
| Right | I <sub>3M</sub> | I <sub>3M</sub> | -7.149 | 0.484 | < 0.001 | 0.001  | 0.70                          |
|       |                 | Intercept       | 1.917  | 0.124 | < 0.001 | 6.798  |                               |
|       | DMJ             | DMJ             | 1.202  | 0.075 | < 0.001 | 3.327  | 0.69                          |
|       |                 | Intercept       | -6.930 | 0.453 | < 0.001 | 0.001  |                               |
|       | KHL             | KHL             | 0.805  | 0.049 | < 0.001 | 2.238  | 0.65                          |
|       |                 | Intercept       | -4.924 | 0.313 | < 0.001 | 0.007  |                               |
|       | LVD             | LVD             | 0.667  | 0.042 | < 0.001 | 1.947  | 0.70                          |
|       |                 | Intercept       | -7.458 | 0.489 | < 0.001 | 0.001  |                               |

I<sub>3M</sub>, third molar maturity index; DMJ, Demirjian; KHL, Köhler; LVD, Liversidge; B, regression coefficient; S.E., standard error; Exp(B), odds ratio. Adult was coded as 1 and minor as 0.

**Table S7.** Logistic regression coefficients and predicted-probability cut-offs by indicator and side without sex as a covariate

| Side  | Criteria        | Predictor       | B      | S. E  | P-value | Exp(B) | Predicted-probability cut-off |
|-------|-----------------|-----------------|--------|-------|---------|--------|-------------------------------|
| Left  | I <sub>3M</sub> | I <sub>3M</sub> | -7.942 | 0.377 | < 0.001 | 0.000  | 0.62                          |
|       |                 | Intercept       | 1.884  | 0.086 | < 0.001 | 6.579  |                               |
|       | DMJ             | DMJ             | 1.164  | 0.052 | < 0.001 | 3.202  | 0.65                          |
|       |                 | Intercept       | -6.885 | 0.327 | < 0.001 | 0.001  |                               |
|       | KHL             | KHL             | 0.734  | 0.031 | < 0.001 | 2.083  | 0.60                          |
|       |                 | Intercept       | -4.675 | 0.213 | < 0.001 | 0.009  |                               |
|       | LVD             | LVD             | 0.655  | 0.029 | < 0.001 | 1.925  | 0.66                          |
|       |                 | Intercept       | -7.511 | 0.353 | < 0.001 | 0.001  |                               |
| Right | I <sub>3M</sub> | I <sub>3M</sub> | -8.048 | 0.382 | < 0.001 | 0.000  | 0.66                          |
|       |                 | Intercept       | 1.916  | 0.087 | < 0.001 | 6.797  |                               |
|       | DMJ             | DMJ             | 1.240  | 0.055 | < 0.001 | 3.456  | 0.66                          |
|       |                 | Intercept       | -7.334 | 0.340 | < 0.001 | 0.001  |                               |
|       | KHL             | KHL             | 0.765  | 0.032 | < 0.001 | 2.148  | 0.61                          |
|       |                 | Intercept       | -4.856 | 0.218 | < 0.001 | 0.008  |                               |
|       | LVD             | LVD             | 0.692  | 0.031 | < 0.001 | 1.998  | 0.67                          |
|       |                 | Intercept       | -7.941 | 0.367 | < 0.001 | 0.000  |                               |

I<sub>3M</sub>, third molar maturity index; DMJ, Demirjian; KHL, Köhler; LVD, Liversidge; B, regression coefficient; S.E., standard error; Exp(B), odds ratio. Adult was coded as 1 and minor as 0.

**Table S8.** Logistic regression coefficients and predicted-probability cut-offs by indicator and side with sex as a covariate

| Side  | Criteria        | AUC<br>(95% CI) | Predictor       | B      | S. E  | P-value | Exp(B) | Predicted-<br>probability<br>cut-off |
|-------|-----------------|-----------------|-----------------|--------|-------|---------|--------|--------------------------------------|
| Left  | I <sub>3M</sub> | 0.84            | I <sub>3M</sub> | -8.082 | 0.382 | < 0.001 | 0.000  | 0.74                                 |
|       |                 | (0.83–          | SEX             | 0.364  | 0.105 | < 0.001 | 1.439  |                                      |
|       |                 | 0.86)           | Intercept       | 1.732  | 0.095 | < 0.001 | 5.652  |                                      |
|       | DMJ             | 0.81            | DMJ             | 1.186  | 0.053 | < 0.001 | 3.272  | 0.73                                 |
|       |                 | (0.79–          | SEX             | 0.349  | 0.103 | < 0.001 | 1.417  |                                      |
|       |                 | 0.83)           | Intercept       | -7.193 | 0.343 | < 0.001 | 0.001  |                                      |
|       | KHL             | 0.82            | KHL             | 0.749  | 0.032 | < 0.001 | 2.116  | 0.69                                 |
|       |                 | (0.80–          | SEX             | 0.387  | 0.105 | < 0.001 | 1.473  |                                      |
|       |                 | 0.84)           | Intercept       | -4.977 | 0.232 | < 0.001 | 0.007  |                                      |
|       | LVD             | 0.82            | LVD             | 0.668  | 0.030 | < 0.001 | 1.950  | 0.74                                 |
|       |                 | (0.80–          | SEX             | 0.362  | 0.103 | < 0.001 | 1.436  |                                      |
|       |                 | 0.84)           | Intercept       | -7.843 | 0.369 | < 0.001 | 0.000  |                                      |
| Right | I <sub>3M</sub> | 0.85            | I <sub>3M</sub> | -8.211 | 0.389 | < 0.001 | 0.000  | 0.69                                 |
|       |                 | (0.83–          | SEX             | 0.371  | 0.105 | < 0.001 | 1.449  |                                      |
|       |                 | 0.86)           | Intercept       | 1.765  | 0.096 | < 0.001 | 5.844  |                                      |
|       | DMJ             | 0.82            | DMJ             | 1.263  | 0.055 | < 0.001 | 3.534  | 0.74                                 |
|       |                 | (0.80–          | SEX             | 0.357  | 0.104 | < 0.001 | 1.429  |                                      |
|       |                 | 0.84)           | Intercept       | -7.650 | 0.355 | < 0.001 | 0.000  |                                      |
|       | KHL             | 0.83            | KHL             | 0.781  | 0.033 | < 0.001 | 2.183  | 0.70                                 |
|       |                 | (0.81–          | SEX             | 0.391  | 0.106 | < 0.001 | 1.479  |                                      |
|       |                 | 0.84)           | Intercept       | -5.160 | 0.294 | < 0.001 | 0.006  |                                      |
|       | LVD             | 0.83            | LVD             | 0.705  | 0.031 | < 0.001 | 2.025  | 0.75                                 |
|       |                 | (0.81–          | SEX             | 0.375  | 0.104 | < 0.001 | 1.455  |                                      |
|       |                 | 0.84)           | Intercept       | -8.285 | 0.425 | < 0.001 | 0.000  |                                      |

I<sub>3M</sub>, third molar maturity index; DMJ, Demirjian; KHL, Köhler; LVD, Liversidge; B, regression coefficient; S.E., standard error; Exp(B), odds ratio. Adult was coded as 1 and minor as 0. In the combined-sex models including sex as a covariate, sex was coded as 1 for males and 2 for females.

**Table S9.** Linear regression formulas for age estimation by dental maturity indicator, side, and sex

| Side  | Criteria        | Sex          | Regression formula |        |                |
|-------|-----------------|--------------|--------------------|--------|----------------|
| Left  | I <sub>3M</sub> | Male         | Age =              | 19.587 | - (6.424 x LL) |
|       |                 | Female       | Age =              | 19.665 | - (5.265 x LL) |
|       |                 | Combined sex | Age =              | 19.604 | - (5.673 x LL) |
|       | DMJ             | Male         | Age =              | 10.887 | + (1.177 x LL) |
|       |                 | Female       | Age =              | 12.021 | + (1.051 x LL) |
|       |                 | Combined sex | Age =              | 11.591 | + (1.093 x LL) |
|       | KHL             | Male         | Age =              | 13.162 | + (0.723 x LL) |
|       |                 | Female       | Age =              | 13.824 | + (0.680 x LL) |
|       |                 | Combined sex | Age =              | 13.579 | + (0.690 x LL) |
|       | LVD             | Male         | Age =              | 10.212 | + (0.665 x LL) |
|       |                 | Female       | Age =              | 11.506 | + (0.588 x LL) |
|       |                 | Combined sex | Age =              | 11.017 | + (0.614 x LL) |
| Right | I <sub>3M</sub> | Male         | Age =              | 19.642 | - (6.653 x LR) |
|       |                 | Female       | Age =              | 19.683 | - (5.350 x LR) |
|       |                 | Combined sex | Age =              | 19.640 | - (5.829 x LR) |
|       | DMJ             | Male         | Age =              | 10.506 | + (1.242 x LR) |
|       |                 | Female       | Age =              | 11.896 | + (1.073 x LR) |
|       |                 | Combined sex | Age =              | 11.351 | + (1.135 x LR) |
|       | KHL             | Male         | Age =              | 12.943 | + (0.757 x LR) |
|       |                 | Female       | Age =              | 13.794 | + (0.687 x LR) |
|       |                 | Combined sex | Age =              | 13.457 | + (0.711 x LR) |
|       | LVD             | Male         | Age =              | 9.738  | + (0.706 x LR) |
|       |                 | Female       | Age =              | 11.396 | + (0.598 x LR) |
|       |                 | Combined sex | Age =              | 10.748 | + (0.638 x LR) |

I<sub>3M</sub>, third molar maturity index; LL, lower left third molar score; LR, lower right third molar score; DMJ, Demirjian; KHL, Köhler; LVD, Liversidge.