

ตารางที่ 19 แสดงตัวแปรที่ใช้อธิบายความสัมพันธ์กับจำนวนเขตพื้นที่ที่มีการสกรอบจากการวิเคราะห์ความถดถอยเชิงพหุด้วยวิธี stepwise

| Model   | R    | R <sup>2</sup> | Adjusted R <sup>2</sup> | Unstandardized Coefficient                        |   | Standardized Coefficient | t   | Sig.   | Collinearity Statistics              |   |
|---|------|----------------|-------------------------|---|---|--------------------------|---|--|--------------------------------------|---|
|   |      |                |                         | B   | Std. error                                    | Beta                     |   |  | Tolerance                            | VIF                                       |
| 1 (constant)<br>AH  | .385 | .148           | .138                    | 4.033<br>-.165                                    | .762<br>.043                                  | -                        | 5.293<br>-3.844                                       | .000<br>.000                                 | 1.000                                | 1.000                                     |
| 2 (constant)<br>AH<br>LI-NB(mm.)                                    | .460 | .211           | .192                    | 3.613<br>-.181<br>.0939                           | .755<br>.042<br>.036                          | -                        | 4.785<br>-4.313<br>5.592                              | .000<br>.000<br>.011                         | .978<br>.978                         | 1.023<br>1.023                            |
| 3 (constant)<br>AH<br>LI-NB(mm.)<br>Ant. ratio                      | .522 | .272           | .246                    | -4.355<br>-.165<br>.0983<br>-.0976                | 3.113<br>.041<br>.035<br>.037                 | -                        | -1.399<br>-4.013<br>2.802<br>2.633                    | .166<br>.000<br>.006<br>.010                 | .956<br>.976<br>.972                 | 1.047<br>1.025<br>1.028                   |
| 4 (constant)<br>AH<br>LI-NB(mm.)<br>Ant. ratio<br>ANB               | .560 | .314           | .281                    | -4.357<br>-.157<br>.125<br>.098<br>-.149          | 3.040<br>.040<br>.036<br>.036<br>.067         | -                        | -1.433<br>-3.895<br>3.448<br>2.708<br>-2.241          | .156<br>.000<br>.001<br>.008<br>.028         | .948<br>.869<br>.972<br>.875         | 1.055<br>1.150<br>1.028<br>1.143          |
| 5 (constant)<br>AH<br>LI-NB(mm.)<br>Ant. ratio<br>ANB<br>UI-NA(mm.) | .646 | .417           | .381                    | -1.724<br>-.080<br>.213<br>.057<br>-.307<br>-.149 | 2.905<br>.042<br>.041<br>.035<br>.075<br>.039 | -                        | -.593<br>-1.890<br>5.210<br>1.609<br>-4.120<br>-3.783 | .555<br>.062<br>.000<br>.112<br>.000<br>.000 | .733<br>.587<br>.880<br>.601<br>.451 | 1.364<br>1.703<br>1.137<br>1.665<br>2.217 |

ตารางที่ 19 แสดงตัวแปรที่ใช้อธิบายความสัมพันธ์กับจำนวนซี่ฟันที่มีการสกรอบจากการวิเคราะห์ความถดถอยเชิงพหุด้วยวิธี stepwise (ต่อ)

| Model          | R    | R <sup>2</sup> | Adjusted R <sup>2</sup> | Unstandardized Coefficient |            | Standardized Coefficient | t      | Sig. | Collinearity Statistics |       |
|----------------|------|----------------|-------------------------|----------------------------|------------|--------------------------|--------|------|-------------------------|-------|
|                |      |                |                         | B                          | Std. error | Beta                     |        |      | Tolerance               | VIF   |
| 6 (constant)   | .631 | .398           | .369                    | 2.817                      | .693       |                          | 4.065  | .000 | .733                    | 1.364 |
| AH             |      |                |                         | -.079                      | .043       | -.184                    | -1.839 | .070 |                         |       |
| LI-NB(mm.)     |      |                |                         | .223                       | .041       | .602                     | 5.437  | .000 |                         |       |
| ANB            |      |                |                         | -.328                      | .074       | -.481                    | -4.413 | .000 |                         |       |
| UI-NA(mm.)     |      |                |                         | -.168                      | .038       | -.541                    | -4.457 | .000 |                         |       |
| 7 (constant)   | .675 | .456           | .422                    | 5.490                      | 1.132      |                          | 4.852  | .000 | .595                    | 1.680 |
| AH             |      |                |                         | -.0212                     | .045       | -.050                    | -.467  | .624 |                         |       |
| LI-NB(mm.)     |      |                |                         | .231                       | .039       | .624                     | 5.873  | .000 |                         |       |
| ANB            |      |                |                         | -.339                      | .071       | -.497                    | -4.761 | .000 |                         |       |
| UI-NA(mm.)     |      |                |                         | -.185                      | .037       | -.595                    | -5.060 | .000 |                         |       |
| Arch perimeter |      |                |                         | -.0495                     | .017       | -.267                    | -2.915 | .005 |                         |       |
| 8 (constant)   | .674 | .454           | .427                    | 5.424                      | 1.117      |                          | 4.855  | .000 | .623                    | 1.606 |
| LI-NB(mm.)     |      |                |                         | .235                       | .038       | .634                     | 6.132  | .000 |                         |       |
| ANB            |      |                |                         | -.349                      | .067       | -.513                    | -5.231 | .000 |                         |       |
| UI-NA(mm.)     |      |                |                         | -.194                      | .031       | -.623                    | -6.182 | .000 |                         |       |
| Arch perimeter |      |                |                         | -.053                      | .015       | -.286                    | -3.477 | .001 |                         |       |
| 9 (constant)   | .698 | .487           | .456                    | 1.116                      | 2.176      |                          | .513   | .609 | .598                    | 1.671 |
| LI-NB(mm.)     |      |                |                         | .217                       | .038       | .588                     | 5.713  | .000 |                         |       |
| ANB            |      |                |                         | -.342                      | .065       | -.501                    | -5.219 | .000 |                         |       |
| UI-NA(mm.)     |      |                |                         | -.254                      | .040       | -.817                    | -6.295 | .000 |                         |       |
| Arch perimeter |      |                |                         | -.056                      | .015       | -.303                    | -3.764 | .000 |                         |       |
| UI-PP          |      |                |                         | .042                       | .018       | -.286                    | 2.287  | .025 |                         |       |

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| Model          | R    | R <sup>2</sup> | Adjusted R <sup>2</sup> | Unstandardized Coefficient |            | Standardized Coefficient | t      | Sig. | Collinearity Statistics |       |
|----------------|------|----------------|-------------------------|----------------------------|------------|--------------------------|--------|------|-------------------------|-------|
|                |      |                |                         | B                          | Std. error | Beta                     |        |      | Tolerance               | VIF   |
| 10 (constant)  | .720 | .519           | .483                    | -2.080                     | 2.540      |                          | -2.177 | .032 |                         |       |
| LI-NB(mm.)     |      |                |                         | .227                       | .037       | .613                     | 6.079  | .000 | .597                    | 1.675 |
| ANB            |      |                |                         | -.394                      | .068       | -.578                    | -5.812 | .000 | .664                    | 1.506 |
| UI-NA(mm.)     |      |                |                         | -.289                      | .042       | -.929                    | -6.848 | .000 | .345                    | 2.897 |
| Arch perimeter |      |                |                         | -.029                      | .019       | -.154                    | -1.516 | .134 | .580                    | 1.725 |
| UI-PP          |      |                |                         | .052                       | .018       | .354                     | 2.825  | .006 | .382                    | 2.616 |
| TSALD          |      |                |                         | -.043                      | .019       | -.244                    | -2.288 | .025 | .529                    | 1.890 |
| 11 (constant)  | .711 | .505           | .474                    | -4.422                     | 2.031      |                          | -2.177 | .032 |                         |       |
| LI-NB(mm.)     |      |                |                         | .233                       | .037       | .629                     | 6.215  | .000 | .597                    | 1.675 |
| ANB            |      |                |                         | -.424                      | .065       | -.623                    | -6.489 | .000 | .664                    | 1.506 |
| UI-NA(mm.)     |      |                |                         | -.304                      | .041       | -.976                    | -7.337 | .000 | .345                    | 2.897 |
| UI-PP          |      |                |                         | .054                       | .019       | .370                     | 2.937  | .004 | .385                    | 2.598 |
| TSALD          |      |                |                         | -.061                      | .015       | -.347                    | -4.192 | .000 | .892                    | 1.121 |

ตารางที่ 20 ค่าสัมประสิทธิ์สหสัมพันธ์เพียร์สัน (Pearson's Correlation coefficient : r) ของอายุ เพศ ตัวแปรทางภาพรังสีกะโหลกศีรษะด้านข้าง และแบบจำลองฟันที่ใช้ในการศึกษานี้

|                | อายุ           | Ant. ratio     | AAW           | AH            | Arch perimeter | TSALD         | A-Nperp        | Pg-Nperp       | ANB            | UI-PP         | LI-MP         | UI-NA (mm.)    | LI-NB (mm.)   |
|----------------|----------------|----------------|---------------|---------------|----------------|---------------|----------------|----------------|----------------|---------------|---------------|----------------|---------------|
| อายุ           | 1              | .151           | .106          | <b>-.235*</b> | -.150          | -.005         | -.031          | .097           | <b>-.302**</b> | .055          | .064          | .134           | .079          |
| Ant. ratio     | .151           | 1              | .144          | -.159         | -.078          | .181          | .190           | .165           | -.031          | -.130         | -.114         | <b>-.300**</b> | -.069         |
| AAW            | .106           | .144           | 1             | <b>.238*</b>  | <b>.459**</b>  | <b>.558**</b> | <b>.322**</b>  | <b>.373**</b>  | <b>-.228*</b>  | .109          | .156          | -.021          | .089          |
| AH             | <b>-.235*</b>  | -.159          | <b>.238*</b>  | 1             | <b>.422**</b>  | <b>.290**</b> | -.011          | -.090          | .133           | <b>.391**</b> | <b>.290**</b> | <b>.418**</b>  | .149          |
| Arch perimeter | -.150          | -.078          | <b>.459**</b> | <b>.422**</b> | 1              | <b>.591**</b> | .146           | .156           | .086           | .104          | <b>.220*</b>  | .056           | .054          |
| TSALD          | -.005          | .181           | <b>.558**</b> | <b>.290**</b> | <b>.591**</b>  | 1             | <b>.387**</b>  | <b>.440**</b>  | -.152          | .089          | -.053         | -.090          | -.037         |
| A-Nperp        | -.031          | .190           | <b>.322**</b> | -.011         | .146           | <b>.387**</b> | 1              | <b>.846**</b>  | .134           | -.023         | -.064         | <b>-.288**</b> | .035          |
| Pg-Nperp       | .097           | .165           | <b>.373**</b> | -.090         | .156           | <b>.440**</b> | <b>.846**</b>  | 1              | <b>-.339**</b> | -.022         | -.182         | -.180          | <b>-.225*</b> |
| ANB            | <b>-.302**</b> | -.031          | <b>-.228*</b> | .133          | .086           | -.152         | .134           | <b>-.339**</b> | 1              | -.153         | <b>.239*</b>  | <b>-.257*</b>  | <b>.343**</b> |
| UI-PP          | .055           | -.130          | .109          | <b>.391**</b> | .104           | .089          | -.023          | -.022          | -.153          | 1             | <b>.254*</b>  | <b>.757**</b>  | <b>.426**</b> |
| LI-MP          | -.064          | -.114          | .156          | <b>.290**</b> | <b>.220*</b>   | -.053         | -.064          | -.182          | <b>.239*</b>   | <b>.254*</b>  | 1             | <b>.311**</b>  | <b>.424**</b> |
| UI-NA (mm.)    | .134           | <b>-.300**</b> | -.021         | <b>.418**</b> | .056           | -.090         | <b>-.288**</b> | -.180          | <b>.257*</b>   | <b>.757**</b> | <b>.311**</b> | 1              | <b>.404**</b> |
| LI-NB (mm.)    | .079           | -.069          | .089          | .149          | .054           | -.037         | .035           | <b>-.225*</b>  | <b>.343**</b>  | <b>.426**</b> | <b>.424**</b> | <b>.404**</b>  | 1             |

\* มีความสัมพันธ์กันที่ระดับนัยสำคัญทางสถิติ <0.05

\*\* มีความสัมพันธ์กันที่ระดับนัยสำคัญทางสถิติ <0.01