**Supplementary Material**

**Simple effects for salivary flow rate**

*Disease*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Time | Rinse | Sig. | Partial Eta Squared | Observed Power |
| Baseline | Pre-rinse | .779 | .012 | .087 |
| Post-rinse | .367 | .046 | .218 |
| Follow-up | Pre-rinse | .314 | .052 | .247 |
| Post-rinse | .028 | .153 | .672 |

*Time*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Disease | Rinse | Sig. | Partial Eta Squared | Observed Power |
| CF | Pre-rinse | .006 | .164 | .811 |
|  | Post-rinse | .380 | .018 | .140 |
| AC | Pre-rinse  | <.001 | .248 | .957 |
|  | Post-rinse | <.001 | .287 | .982 |
| ACL | Pre-rinse | .054 | .084 | .491 |
|  | Post-rinse | .351 | .020 | .152 |

*Rinse*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Disease | Time | Sig. | Partial Eta Squared | Observed Power |
| CF | Baseline | <.001 | .229 | .937 |
|  | Follow-up | .835 | .001 | .055 |
| AC | Baseline | .002 | .202 | .897 |
|  | Follow-up | <.001 | .249 | .958 |
| ACL | Baseline | .041 | .093 | .538 |
|  | Follow-up | .707 | .003 | .066 |

**Simple effects for buffering capacity**

*Disease*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Time | Rinse | Sig. | Partial Eta Squared | Observed Power |
| Baseline | Pre-rinse | .828 | .009 | .078 |
| Post-rinse | .590 | .024 | .132 |
| Follow-up | Pre-rinse | .745 | .014 | .094 |
| Post-rinse | .699 | .017 | .104 |

*Time*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Disease | Rinse | Sig. | Partial Eta Squared | Observed Power |
| CF | Pre-rinse | <.001 | .253 | .962 |
|  | Post-rinse | <.001 | .362 | .998 |
| AC | Pre-rinse  | <.001 | .236 | .946 |
|  | Post-rinse | <.001 | .327 | .994 |
| ACL | Pre-rinse | <.001 | .359 | .998 |
|  | Post-rinse | <.001 | .480 | 1.000 |

*Rinse*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Disease | Time | Sig. | Partial Eta Squared | Observed Power |
| CF | Baseline | .012 | .138 | .727 |
|  | Follow-up | .017 | .126 | .683 |
| AC | Baseline | .001 | .223 | .930 |
|  | Follow-up | <.001 | .249 | .958 |
| ACL | Baseline | <.001 | .285 | .982 |
|  | Follow-up | <.001 | .290 | .984 |

**Simple effects for carbonic anhydrase VI**

*Disease*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Time | Rinse | Sig. | Partial Eta Squared | Observed Power |
| Baseline | Pre-rinse | .240 | .064 | .298 |
| Post-rinse | .536 | .029 | .149 |
| Follow-up | Pre-rinse | .924 | .004 | .061 |
| Post-rinse | .222 | .068 | .313 |

*Time*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Disease | Rinse | Sig. | Partial Eta Squared | Observed Power |
| CF | Pre-rinse  | .020 | .120 | .659 |
|  | Post-rinse | .295 | .025 | .179 |
| AC | Pre-rinse | .023 | .114 | .634 |
|  | Post-rinse | .175 | .042 | .271 |
| ACL | Pre-rinse | .478 | .012 | .108 |
|  | Post-rinse | .386 | .018 | .137 |

*Rinse*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Disease | Time | Sig. | Partial Eta Squared | Observed Power |
| CF | Baseline | <.001 | .271 | .974 |
|  | Follow-up | .314 | .024 | .169 |
| AC | Baseline | <.001 | .348 | .997 |
|  | Follow-up | .053 | .085 | .495 |
| ACL | Baseline | .202 | .038 | .245 |
|  | Follow-up | .354 | .020 | .150 |