

## B.6 Nested Expression Constraints - Invalid Expressions

| Expression Constraint                                                                                                                                                                                             | Valid Expression <sup>1</sup>                                 |                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                   | Precoordinated                                                | Postcoordinated                                                                                                                                                              |
| << ( ^ 700043003   Example problem list concepts reference set   )                                                                                                                                                | 6143009   Diabetic education                                  | 71388002   Procedure   :<br>405813007   Procedure site - Direct   =<br>80891009   Heart structure                                                                            |
|                                                                                                                                                                                                                   | 75367002   Blood pressure                                     |                                                                                                                                                                              |
| ^ ( < 450973005   GP/FP health issue reference set   )                                                                                                                                                            | 80146002   Appendectomy                                       | -                                                                                                                                                                            |
|                                                                                                                                                                                                                   | 305342007   Admission to ward                                 |                                                                                                                                                                              |
| ( < 404684003   Clinical finding   :<br>363698007   Finding site   = << 39057004   Pulmonary valve structure   )<br>AND ^ 700043003   Example problem list concepts reference set                                 | 125605004   Fracture of bone                                  | 404684003   Clinical finding   :<br>363698007   Finding site   =<br>17401000   Cardiac valve structure                                                                       |
|                                                                                                                                                                                                                   | 195967001   Asthma                                            |                                                                                                                                                                              |
| ( < 404684003   Clinical finding   : 363698007   Finding site   = << 39057004   Pulmonary valve structure   )<br>AND ( < 64572001   Disease   : 116676008   Associated morphology   = << 415582006   Stenosis   ) | 301104003   Pulmonary valve finding                           | 404684003   Clinical finding   :<br>363698007   Finding site   =<br>39057004   Pulmonary valve structure                                                                     |
|                                                                                                                                                                                                                   | 76107001   Spinal stenosis                                    | 64572001   Disease   :<br>116676008   Associated morphology   =<br>415582006   Stenosis                                                                                      |
| ( << 17636008   Specimen collection   :<br>424226004   Using device   = << 19923001   Catheter   )<br>. 363701004   Direct substance                                                                              | 57617002   Urine specimen collection                          | 17636008   Specimen collection   :<br>424226004   Using device   =<br>19923001   Catheter                                                                                    |
|                                                                                                                                                                                                                   | 122575003   Urine specimen                                    |                                                                                                                                                                              |
| ( << 404684003   Clinical finding (finding)   OR << 272379006   Event (event)   ) :<br>255234002   After   = << 71388002   Procedure (procedure)                                                                  | 293690005   Peppermint oil allergy                            | 404684003   Clinical finding   :<br>255234002   After   =<br>417163006   Injury                                                                                              |
|                                                                                                                                                                                                                   | 82510005   Posttraumatic vertigo                              |                                                                                                                                                                              |
| << 125605004   Fracture of bone   :<br>[0..0] ( ( << 410662002   Concept model attribute   MINUS 363698007   Finding site   ) MINUS 116676008   Associated morphology   ) = *                                     | 704333004   Pathological fracture of hand due to osteoporosis | 125605004   Fracture of bone   :<br>42752001   Due to   =<br>417163006   Injury                                                                                              |
|                                                                                                                                                                                                                   | 722571004   Linear fracture of skull due to birth trauma      |                                                                                                                                                                              |
| < 404684003   Clinical finding   :<br>47429007   Associated with   = ( < 404684003   Clinical finding   :<br>116676008   Associated morphology   = << 55641003   Infarct   )                                      | 3238004   Pericarditis                                        | 64572001   Disease   :<br>47429007   Associated with   =<br>( 404684003   Clinical finding   :<br>363698007   Finding site   =<br>277712000   Cardiac internal structure   ) |

### Footnotes

#### RefNotes

<sup>1</sup> Where necessary, these examples make some assumptions about the membership of the example reference sets.