

## A.1 Simple Expression Constraints - Valid Expressions

Expression Constraint	Valid Expression <sup>[1]</sup>	
	Precoordinated	Postcoordinated
404684003  Clinical finding	404684003  Clinical finding	-
< 404684003  Clinical finding	64572001  Disease  56265001  Heart disease	404684003  Clinical finding  : 363698007  Finding site  = 80891009  Heart structure
<< 73211009  Diabetes mellitus	73211009  Diabetes mellitus  46635009  Diabetes mellitus type 1  105401000119101  Diabetes mellitus due to pancreatic injury	73211009  Diabetes mellitus  : 42752001  Due to  = 61823004  Injury of pancreas
<! 404684003  Clinical finding	64572001  Disease  267038008  Edema	404684003  Clinical finding  : 116676008  Associated morphology  = 79654002  Edema  <sup>[2]</sup>
> 40541001  Acute pulmonary edema	111273006  Acute respiratory disease  404684003  Clinical finding  138875005  SNOMED CT concept	64572001  Disease  : 116676008  Associated morphology  = 79654002  Edema  , 363698007  Finding site  = 39607008  Lung structure
>> 40541001  Acute pulmonary edema	40541001  Acute pulmonary edema  111273006  Acute respiratory disease  404684003  Clinical finding  138875005  SNOMED CT concept	64572001  Disease  : 263502005  Clinical course  = 424124008  Sudden onset AND/OR short duration  , { 116676008  Associated morphology  = 40829002  Acute edema  , 363698007  Finding site  = 39607008  Lung structure  }
>! 40541001  Acute pulmonary edema	111273006  Acute respiratory disease  19242006  Pulmonary edema	19829001  Disorder of lung  : { 116676008  Associated morphology  = 79654002  Edema  , 363698007  Finding site  = 39607008  Lung structure  } <sup>[3]</sup>
^ 700043003  Example problem list concepts reference set	394659003  Acute coronary syndrome  194828000  Angina  29857009  Chest pain	-
*	138875005  SNOMED CT concept  404684003  Clinical finding  322236009  Paracetamol 500mg tablet	404684003  Clinical finding  : 363698007  Finding site  = 80891009  Heart structure   71388002  Procedure  : 405813007  Procedure site - Direct  = 66754008  Appendix structure   373873005  Pharmaceutical / biologic product  : { 127489000  Has active ingredient  = 412031009  Paracetamol or derivative  }

- 1 Where necessary, these examples make some assumptions about the membership of the example reference sets.
- 2 Please note that this makes the assumption that the given expression constraint is executed against a finite set of expressions that has been pre-classified (e.g. in an expression repository), and that after classification there are no intermediate expressions between this expression and 40468 4003 |Clinical finding|.
- 3 Please note that this makes the assumption that the given expression constraint is executed against a finite set of expressions that has been pre-classified (e.g. in an expression repository), and that after classification there are no intermediate expressions between 40541001 |Acute pulmonary edema| and this expression.