

Note: It is recommended that this Data Set have two additional key variables:  
 - SITE (to distinguish the location where the data are recorded) and  
 - SUBJECT (to distinguish the patient/study participant)

## INTERNATIONAL SPINAL CORD INJURY ENDOCRINOLOGY AND METABOLISM EXTENDED DATA SET (Version 1.0)

<b>Carbohydrate Metabolism:</b>		TABLE 1
Plasma glucose:	<input type="text" value="CARBMTDT"/>	
Fasting _____ mmol/L	<input type="text" value="FASTGLUC"/>	Date: YYYYMMDD <input type="checkbox"/> Unknown
2 hours _____ mmol/L	<input type="text" value="2HRGLUC"/>	
OGTT diagnostic classification: <input type="checkbox"/> normal <input type="checkbox"/> Impaired Glucose Tolerance <input type="checkbox"/> Diabetes Mellitus		
	<input type="text" value="OGTTDIAG"/>	
Plasma insulin:		
Fasting _____ pmol/L	<input type="text" value="FASTINS"/>	
2 hours _____ pmol/L	<input type="text" value="2HRINS"/>	
Hemoglobin A1c: _____ <input type="text" value="HBA1C"/> %		

<b>Calcium &amp; Bone Metabolism:</b>		TABLE 2
		Date: YYYY/MM/DD <input type="checkbox"/> Unknown
Plasma/Serum calcium _____ mmol/L	<input type="text" value="PLSSERCA"/>	<input type="text" value="CABNMTDT"/>
Plasma ionized calcium _____ mmol/L	<input type="text" value="PLSIONCA"/>	
Urine calcium _____ mmol/24hours	<input type="text" value="URINECA"/>	
Urine calcium/creatinine _____ mmol/mg	<input type="text" value="UCACREAT"/>	
Serum 25-OH D: _____ nmol/L	<input type="text" value="SE25OHD"/>	
Plasma parathyroid hormone (PTH) level: _____ ng/L	<input type="text" value="PLPTHVLV"/>	
Plasma/Serum N-telopeptide _____ nmol BCE	<input type="text" value="PLSERNTP"/>	
Urine N-telopeptide _____ nmol BCE/mmol creat	<input type="text" value="URNNTPT"/>	
Plasma/Serum C-telopeptide _____ ng/L	<input type="text" value="PLSERCTP"/>	
Plasma/Serum osteocalcin: _____ µg/L	<input type="text" value="PSOSTCAL"/>	
Plasma/Serum P1NP: _____ µg/L	<input type="text" value="PLSRP1NP"/>	

<b>Dual energy x-ray absorptiometry:</b>		TABLE 3
		Date: YYYY/MM/DD <input type="checkbox"/> Unknown
If osteoporosis (-2.5 or less SD) is present for persons ≥ 50 years old, place an "X" in the space provided for each skeletal site of interest:		
<input type="text" value="OSTEOHIP"/>	Total Hip _____	<input type="text" value="OSTEORAD"/>
	Femoral neck _____	
	Radius _____	
Bone mineral density for each skeletal site of interest:		
<input type="text" value="OSTEOFNK"/>	Total hip _____ (g/cm <sup>2</sup> )	<input type="text" value="BMDTHIP"/>
	Femoral neck _____ (g/cm <sup>2</sup> )	<input type="text" value="BMDFMNK"/>
	Distal femur _____ (g/cm <sup>2</sup> )	<input type="text" value="BMDDISFM"/>
	Proximal tibia _____ (g/cm <sup>2</sup> )	<input type="text" value="BMDPXTIB"/>
	Radius _____ (g/cm <sup>2</sup> )	<input type="text" value="BMDRADI"/>
If Z-values are below the expected range for age for persons <50 years old, place an "X" in the space provided:		
	Hip _____ (-2.0 or less SD) <input type="text" value="ZVALHIP"/>	Radius _____ (-2.0 or less SD) <input type="text" value="ZVALRAD"/>

**Prior Thyroid Disease (to be filled in once only):** PTHYDZDT TABLE 4

Absent  Present  Unknown Date: YYYY/MM/DD  Unknown

If present, thyroid diagnosis

Hashimoto's disease Date disease diagnosed YYYYMMDD  Unknown PHASHIDT

Goiter:  Diffuse toxic goiter  Diffuse nontoxic goiter  Nontoxic multinodular goiter PGOITRDX

Toxic multinodular goiter Date disease diagnosed YYYYMMDD  Unknown PGOITRDT

Thyroiditis:  Acute thyroiditis  Subacute thyroiditis PTHITIDX

Date disease diagnosed YYYYMMDD  Unknown PTHITIDT

Thyroid cancer:  Papillary cancer  Follicular cancer  Medullary cancer  Anaplastic cancer  Other Date disease diagnosed YYYYMMDD  Unknown PTHCANDT

Thyroid nodule:  Hyperfunctioning thyroid nodule  Hypofunctioning thyroid nodule PTHCANDX

Date disease diagnosed YYYYMMDD  Unknown PTHNODDT

Other, specify PTHYDXSP Date disease diagnosed YYYYMMDD  Unknown PTHOTHDT

PTHDXOTH

**Thyroid Function:** THYLABDT TABLE 5

Thyroid function laboratory tests/new diagnosis: Date: YYYY/MM/DD  Unkn

Thyroid gland size: Goiter:  absent  present THYGLSZ

Plasma/Serum thyroid stimulating hormones (TSH) \_\_\_\_\_ mU/L PLSERT3

Plasma/Serum triiodothyronine (T<sub>3</sub>) \_\_\_\_\_ nmol/L SERT3RU

Serum thyroxine (T<sub>4</sub>) \_\_\_\_\_ nmol/L PLSERT4

Serum T<sub>3</sub> resin uptake (T<sub>3</sub>RU) \_\_\_\_\_ PLSERFT4

Plasma/Serum free thyroxine (FT<sub>4</sub>) \_\_\_\_\_ pmol/L THYROIAB

Thyroid antibodies:  absent  present

**New thyroid diagnosis:**

Hashimoto's disease HASHIMDX

Goiter:  Diffuse toxic goiter  Diffuse nontoxic goiter  Nontoxic multinodular goiter  Toxic multinodular goiter GOITERDX

Thyroiditis:  Acute thyroiditis  Subacute thyroiditis THITISDX

Thyroid cancer:  Papillary cancer  Follicular cancer  Medullary cancer  Anaplastic cancer  Other THYCANDX

Thyroid nodule:  Hyperfunctioning thyroid nodule  Hypofunctioning thyroid nodule THYNODDX

Other, specify THYOTHDX THYRDXSP

**Adrenal Function:** ADRFXNDT TABLE 6

Unknown

06-08 (a.m.) fasting serum cortisol \_\_\_\_\_ nmol/L FSTSECOR

24-hour urine cortisol \_\_\_\_\_ nmol/24 hours 24HURCOR

**Gonadal Function:** GNDFXNDT TABLE 7

Date: YYYY/MM/DD  Unknown

**Men:**

Testis  normal size  small TESTISSZ

Plasma/Serum testosterone \_\_\_\_\_ nmol/L PLSETSTO

Serum sex hormone binding globulin \_\_\_\_\_ nmol/L SSEXHOBG

Serum albumin \_\_\_\_\_ μmol/L SERALBUM

Serum bioactive testosterone \_\_\_\_\_ pmol/L SEBATSTO

Serum free testosterone \_\_\_\_\_ pmol/L SEFRTSTO

**Women:**

Plasma/Serum estradiol \_\_\_\_\_ pmol/L PLSEESTD

		<b>APTFXNDT</b>	<b>TABLE 8</b>
<b>Anterior Pituitary Function:</b>		Date: YYYY/MM/DD	<input type="checkbox"/> Unknown
Plasma prolactin _____ mmol/L	<b>PLPROLAC</b>		
Plasma leuteinizing hormone (LH) _____ IU/L	<b>PLASMALH</b>		
Plasma follicular stimulating hormone (FSH) _____ IU/L	<b>PLASMFSH</b>		
Plasma insulin-like growth factor-1 (IGF-1) (baseline) _____ kU/L	<b>PLSMIGF1</b>		
<i>Women:</i>	<b>MENSTCYC</b>		
Identify the time of the menstrual cycle (basal, ovulatory surge, postmenopausal) _____			

		<b>PPTFXNDT</b>	<b>TABLE 9</b>
<b>Posterior Pituitary Function:</b>		Date: YYYY/MM/DD	<input type="checkbox"/> Unknown
Plasma copeptin _____ pmol/L	<b>PLCOPEPT</b>		
Fluid deprivation test with DDAVP	<input type="checkbox"/> positive	<input type="checkbox"/> negative	<b>FLUDDAVP</b>

		<b>SYMPNSDT</b>	<b>TABLE 10</b>
<b>Sympathetic Nervous System Function:</b>		Date: YYYY/MM/DD	<input type="checkbox"/> Unknown
Plasma norepinephrine supine _____ nmol/L	<b>PLNEPISU</b>		
Plasma norepinephrine seated/standing _____ nmol/L	<b>PLNEPISS</b>		

		<b>RAAXISDT</b>	<b>TABLE 11</b>
<b>Renin-Aldosterone Axis Function:</b>		Date: YYYY/MM/DD	<input type="checkbox"/> Unknown
Plasma renin supine _____ µg/L/h	<b>PLRENISU</b>		
Plasma renin seated/standing _____ µg/L/h	<b>PLRENISS</b>		
Serum aldosterone supine _____ pmol/L	<b>SRALDSUP</b>		
Serum aldosterone seated/standing _____ pmol/L	<b>SERALDSS</b>		

**Conversion factor (CF) x Conventional (C) = System or International Units (SI)**

Glucose	0.05551 x mg/dL = mmol/L
Insulin	7.175 x µU/mL = pmol/L
Total Calcium (plasma)	0.2595 x mg/dL = mmol/L
25-Hydroxycholecalciferol (25-OH-D)	2.496 x ng/dL = nmol/L
Thyroxine (T <sub>4</sub> )	12.87 x µg/dL = nmol/L
Triiodothyronine (T <sub>3</sub> )	0.0154 x ng/dL = nmol/L
Free Thyroxine (FT <sub>4</sub> )	12.85 x ng/dL = pmol/L
Cortisol	27.59 x µg/dL = nmol/L
Testosterone	4.467 x ng/mL = nmol/L
Estradiol	3.671 x pg/ml = pmol/L
Creatinine	88.4 x mg/dL = µmol/L
Other conversions:	pg/mL = ng/L
	ng/mL = µg/L
	ng/mL/h = µg/L/h
	µU/mL = mU/L
	mU/mL = U/L
	U/mL = kU/L