LETTER TO THE EDITOR

Version 2.0 of the international spinal cord injury endocrinology and metabolic function basic data set

This letter to the Editor is to inform the readers of Spinal Cord regarding the changes made to The International Spinal Cord Injury Endocrinology and Metabolic Function Basic Data Set in its version 2.0. The changes are carried out on the basis of previously published version 1.0,[1] and version 1.2.[2] All versions to be found on International Spinal Cord Society website: http://www.iscos.org.uk/international-sci-endocrine-and-metabolic-function-data-sets.

To be consistent with more updated International Spinal Cord Injury (SCI) data sets, 'Unknown' has been inserted in the data collection form (appendix) for variables at 17 sites in the text: date of data collection; endocrine and metabolic conditions diagnosed before spinal cord lesion (collected once); endocrine and metabolic conditions diagnosed after the spinal cord lesion within the last year; gonadal status; height (or length) and weight; fasting serum lipid profile performed within the past year.

For the sake of consistency, a checkbox ☐ has been inserted before Osteoporosis in the data collection form for the two variables: endocrine and metabolic conditions diagnosed before spinal cord lesion (collected once); endocrine and metabolic conditions diagnosed after the spinal cord lesion within the last year.

The remark: 'If information was obtained other than from the medical record, please specify source' has been removed from the text and the data collection form for two variables: endocrine and metabolic conditions diagnosed before spinal cord lesion (collected once); endocrine and metabolic conditions diagnosed after the spinal cord lesion within the last year. This change has been made because the International SCI data sets are now more commonly included in the electronic medical records.

In the comments to the variable, endocrine and metabolic conditions diagnosed after the spinal cord lesion within the last year, the following text has been substituted 'Therefore, if osteoporosis is diagnosed according to accepted guidelines, the method used must be DXA, or if presumptively diagnosed from methods that are not validated to make the diagnosis of osteoporosis, or performed by qualitative methods, this would be designated as Other methods (e.g., CT, radiograph).[3]' for the prior text 'from methods that are not validated to make the diagnosis of osteoporosis, or performed by qualitative methods, this would be designated as…'.

In the variable gonadal status there is 'adult' inserted both in the variable codes and the data collection form before menopausal and postmenopausal: adult menopausal, adult postmenopausal.

Two new variables on alcohol consumption have been added:
How often do you have a drink containing alcohol?
How often do you have five or more drinks on one occasion?

The reason is that a gap has been recognized in the International SCI data sets that this information is not available. Excessive alcohol consumption may be associated with several metabolic and/or endocrine derangements, including hypoglycemia, dyslipidemia, osteoporosis, hypogonadism and hypercortisolism. The questions are from the Alcohol Use Disorders Identification Test - http://www.who.int/substance_abuse/activities/sbi/en/.[4]

CONFLICT OF INTEREST

The authors declare no conflict of interest.

WA Bauman[1], A Krassioukov[2,3] and F Biering-Sørensen[4]

[1]National Center for the Medical Consequences of Spinal Cord Injury, James J Peters Veterans Affairs Medical Center, Bronx, NY, USA; [2]Department of Medicine, Division Physical Medicine & Rehabilitation, Autonomic Research Unit, International Collaboration On Repair Discoveries (ICORD), Spinal Cord Program, GF Strong Rehabilitation Centre, University of British Columbia, Vancouver, British Columbia, Canada; [3]University of Western Ontario, London, Ontario, Canada and [4]Clinic for Spinal Cord Injuries, Rigshospitalet, University of Copenhagen, Copenhagen, Denmark
E-mail: William.Bauman@va.gov

1 Bauman WA, Biering-Sørensen F, Krassioukov A. The international spinal cord injury endocrine and metabolic function basic data set. Spinal Cord 2011; 49: 1068–1072.
2 Bauman WA, Biering-Sørensen F, Krassioukov A. International spinal cord injury endocrine and metabolic basic data set (version 1.2). Spinal Cord 2012; 50: 567.
3 Baim S, Wilson C, Lewiecki E, Luckey M, Downs R. Precision assessment and radiation safety for dual-energy x-ray absorptiometry: position paper of the international society for clinical densitometry. J Clin Densitom 2006; 8: 371–378.
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APPENDIX

INTERNATIONAL SPINAL CORD INJURY ENDOCRINOLOGY AND METABOLISM FUNCTION BASIC DATA SET - FORM (Version 2.0)

Date performed: YYYY/MM/DD   ☐ Unknown

Endocrine & metabolic conditions diagnosed <u>before</u> spinal cord lesion (collected once):
☐ None   ☐ Unknown (any endocrine disorder)
Diabetes mellitus   ☐ Type 1   ☐ Type 2   ☐ Unknown
Lipid values, if available, provide the most recent values prior to injury:
Date YYYY/MM/DD   ☐ Unknown
Total cholesterol (TC) _____ mg/dL   Triglycerides (TG) _____ mg/dL
HDL cholesterol   _____ mg/dL   LDL cholesterol   _____ mg/dL
(TC, HDL or LDL cholesterol: mmol/L x 39 = mg/dL; TG: mmol/L x 89 = mg/dL)
☐ Lipid disorder   Specify diagnosis: _____ ☐ Unknown
☐ Osteoporosis   Method: ☐ DXA   ☐ Other (e.g. CT, radiograph)   ☐ Unknown
☐ Thyroid disease Specify diagnosis: _____ ☐ Unknown
☐ Other, specify_____

Endocrine & metabolic conditions diagnosed <u>after</u> the spinal cord lesion within the last year:
☐ None   ☐ Unknown (any endocrine disorder)
Diabetes mellitus   ☐ Type 1   ☐ Type 2   ☐ Unknown
☐ Lipid disorder   Specify diagnosis: _____ ☐ Unknown
☐ Osteoporosis   Method: ☐ DXA   ☐ Other (e.g. CT, radiograph)   ☐ Unknown
☐ Thyroid disease, Specify diagnosis: _____ ☐ Unknown
☐ Adrenal disease, Specify diagnosis: _____ ☐ Unknown
☐ Gonadal disease, Specify diagnosis: _____ ☐ Unknown
☐ Pituitary disease, Specify diagnosis: _____ ☐ Unknown
☐ Other, specify_____

Gonadal status (check appropriate stage):
Male: ☐ Prepubertal ☐ Pubertal ☐ Adult   ☐ Unknown
Female: ☐ Prepubertal ☐ Pubertal ☐ Adult ☐ Adult Menopausal
☐ Adult Postmenopausal   ☐ Unknown

Height (or length) and Weight:
Height (or length) _____ m   Weight _____ kg   ☐ Unknown

Fasting serum lipid profile within the last year:
During anti-lipid therapy: ☐ Yes   ☐ No   ☐ Unknown
Total cholesterol (TC) _____ mg/dL   Triglycerides (TG) _____ mg/dL
HDL cholesterol   _____ mg/dL   LDL cholesterol   _____ mg/dL
(TC, HDL or LDL cholesterol: mmol/L x 39 = mg/dL; TG: mmol/L x 89 = mg/dL)

How often do you have a drink containing alcohol?
☐ Never   ☐ Monthly or less   ☐ 2-4 times a month   ☐ 2-3 times a week
☐ 4 or more times a week   ☐ Unknown

How often do you have six or more drinks on one occasion?
☐ Never   ☐ Less than monthly   ☐ Monthly   ☐ Weekly   ☐ Daily or almost daily
☐ Unknown