

Coding Quiz – EU MedDRA UG Meeting – Prague 2019

Formatting conventions used in set of slides:

- ***Verbatim: Italics bold***
- MedDRA LLTs
- (PT in brackets)
- **Most appropriate selection**

Coding Quiz (1)

- *Infected navel ring:*
- Belly button infection
- Wound infection
- Abdominal infection
- **Skin infection**

Context is missing for verbatim 'infected navel ring'.

Abdominal infection is LLT to PT *Abdominal infection* which includes LLTs for *Intra-abdominal infection*, so this may not be a good choice.

Belly button infection is LLT to PT *Omphalitis*, which is a neonatal condition, hence may not be a good choice.

Skin infection is first choice.

Wound infection second choice

Coding Quiz (2)

- **Myelotoxicity:**
- Myelosuppression
- **Bone marrow toxicity**
- Drug toxicity
- Haematotoxicity

Myelosuppression describes suppression of bone marrow cell production/bone marrow failure. Myelotoxicity implies destruction, hence *myelosuppression* is not appropriate.

Drug toxicity is LLT to PT *Toxicity to various agents*. Too non specific

Haematotoxicity is too non-specific (could include circulating blood cells outside bone marrow).

Bone marrow toxicity is the best match for verbatim 'myelotoxicity'

Coding Quiz (3)

- *Gastric intubation:*
- Intubation
- Gastrostomy tube insertion
- **Gastrointestinal tube insertion**
- Tube placement for enteral nutrition

LLT *Intubation* goes to PT *Endotracheal intubation*; there is no mention of respiratory in the verbatim, so this code is not appropriate

Gastrostomy tube insertion is not appropriate as there is no mention of stoma in the verbatim.

Tube placement for enteral nutrition is not appropriate as there is no mention of nutrition in the verbatim

Gastrointestinal tube insertion is the most appropriate LLT for verbatim 'gastric intubation'

Coding Quiz (4)

- *EEG biofeedback:*
- **Neurofeedback therapy**
- EEG
- Biofeedback therapy
- Refeeding syndrome + EEG

EEG (Electroencephalogram) does not convey the entire concept in the verbatim 'EEG biofeedback'

Biofeedback therapy does not capture the EEG aspects of the verbatim.

Refeeding syndrome – is a potential fatal complication when starting to feed starving, anorectic patients too quickly, hence not appropriate choice of code.

EEG biofeedback is synonymous to *Neurofeedback*, so *Neurofeedback therapy* is the best code (Google it before you code it!)

Coding Quiz (5)

- **Toxoallergic exanthema:**
- Toxic skin eruption
- Allergic exanthema
- Erythema toxicum neonatorum
- Exanthema
- **Toxic skin eruption + Allergic exanthema**

LLT/PT *Toxic skin eruption* does not capture the allergic aspect.

LLT *Allergic exanthema* (PT *Dermatitis allergic*) does not capture the toxic aspect.

Erythema toxicum neonatorum is making a diagnosis and assuming it is a neonate, which has not been stated in the verbatim

LLT *Exanthema* (PT *Rash*) is non-specific.

The verbatim 'toxoallergic exanthema' requires split coding to capture all the concepts of verbatim 'toxoallergic exanthema'.

Select two LLTs:

- *Toxic skin eruption*
- *Allergic exanthema*

Coding Quiz (6)

- *Urticaria localised on cheeks and legs:*
- Urticaria localised
- **Urticaria**
- Urticaria generalised

Conflicting information: rash being on face and legs can be interpreted as generalized. However the verbatim states it is localized.

The verbatim could also be considered as localized rash with normal skin between the two affected sites.

Most appropriate choice of code is LLT *Urticaria* (PT *Urticaria*)

Coding Quiz (7)

- *Living succose exantema has occurred on my trunk after using three doses of product, painful and itchy*
- **Painful rash + Itchy rash**
- Exanthema
- Reaction to drug excipient
- Welts

Verbatim 'Living succose exantema has occurred on my trunk after using three doses of product, painful and itchy' is difficult to interpret.

Does 'Living' mean 'Acute'?

Is 'Succose' an old term for 'juicy'? If so, LLT *Welts* (PT *Urticaria*) may be appropriate.

Is 'Succose' a misspelling of 'sucrose'?

LLT *Exanthema* (PT *Rash*) does not capture all aspects of the rash.

LLT *Reaction to drug excipient* (PT *Reaction to excipient*) is non specific (reaction) and it also makes the assumption that 'succose' is sucrose (an excipient).

'Painful and itchy' is clearly described in verbatim, hence choice of **two terms** is appropriate:

LLT *Painful rash* (PT *Rash*)

LLT *Itchy rash* (PT *Rash pruritic*)

Coding Quiz (8)

- *Behaving like Sheldon Cooper of The Big Bang Theory...*
- Freeman-Sheldon syndrome
- **Abnormal behavior**
- Asperger's syndrome
- Unevaluable event

The character "Sheldon Cooper" is inspired by an "Asperger's" archetype. However, selection of LLT *Freeman-Sheldon syndrome*

would be adding a diagnosis by coding and therefore not appropriate.

Freeman-Sheldon: mutation in embryonal myosine heavy chain (MYH3)

LLT *Asperger's syndrome* (PT *Autism spectrum disorder*) is making an assumption (behaving **like** is not equal to the condition).

LLT *Unevaluable event* is non specific

If verbatim is not known by the coder, google for information and do not rely on the first hit. This verbatim was an adverse event hence behaviour was not normal. It was reported for a vaccine hence autism was suspected but not confirmed.

LLT *Abnormal behaviour* (PT *Abnormal behaviour*) describes that the problem is in the behaviour and is the best choice.

Coding Quiz (9)

- *The child's head retards to his body according to the child's mother. She had a suspicion on relatedness to child's vaccination, 1st dose of polio vaccine.*
- Dropped head syndrome
- **Neck muscle weakness**
- Poliomyelitis post vaccine

LLTs *Dropped head syndrome* (PT *Dropped head syndrome*)

and

LLT *Poliomyelitis post vaccine* (PT *Vaccine associated paralytic poliomyelitis*) make assumptions and introduce diagnoses via coding. Therefore these two are not appropriate.

The verbatim is difficult to interpret. The head dropping towards the body is very likely neck muscle weakness.

However, there may be neurological aspects that are missed if this LLT is selected

LLT *Neck muscle weakness* (PT *Muscular weakness*) is not ideal but the best choice, if data query is not possible.

Coding Quiz (10)

- 70-year-old man with **chronic venous insufficiency** and **ischaemic diseases of the lower limbs** developed ...
- Vascular disorder
- Chronic venous insufficiency
- Lower limb ischaemia
- **Chronic venous insufficiency + Lower limb ischaemia**

At first glance the verbatim looks contradictory.

'Chronic venous insufficiency' is a problem with venous circulation whereas 'ischaemic disease' refers to the arterial circulation.

LLT *Vascular disorder* (PT *Angiopathy*) is non-specific.

Selection of **LLT *Chronic venous insufficiency*** (PT *Peripheral venous disease*) **or** **LLT *Lower limb ischaemia*** (PT *Peripheral ischaemia*) loses part of the information in the verbatim

The patient could have both a venous and an arterial (ischaemia) disorder, hence select **both** terms:

- **LLT *Chronic venous insufficiency*** (PT *Peripheral venous disease*) **and**
- **LLT *Lower limb ischaemia*** (PT *Peripheral ischaemia*)

Coding Quiz (11)

- *There were missing tablets in just bought package of XXX. The medicinal product was bought in regular pharmacy.*
- Missed dose
- **Package dosage units missing**
- Product dispensing error
- Drug diversion

Do not assume error - packaging quality issue – cause unknown.

Coding Quiz (12)

- *Inflammation ECG electrode sites*
- Skin inflammation (Dermatitis)
- ECG abnormal (Electrocardiogram abnormal)
- ECG electrode site reaction (Medical device site reaction)
- **Medical device site inflammation**