

MODULE 20

*Diseases of the Musculoskeletal System
and Connective Tissue*

Module 20: Diseases of the Musculoskeletal System & Connective Tissue (Chapter XIII)

This chapter covers diseases and conditions relating to the spine, joint, muscles and connective tissue of the body. It also covers deformities acquired after birth.

Important points for Chapter XIII

- Categories range from M00 to M99.
- 79 of the 100 available categories have been allocated.
- 12 of the categories have asterisk codes.
- The **Site of Musculoskeletal Involvement** is an additional optional subclassification (located at the beginning of the chapter) provided to indicate the site of involvement of a condition where this is appropriate. Valid fifth digits are indicated in square brackets [] after each code to which they apply. The use of these optional codes is a matter for decision by each country as they are not a mandatory part of the codes.
- Supplementary classifications for optional use are also given for the following conditions:

M23	Internal derangement of knee
M40-M54	Dorsopathies (except M50 & M51)
M99	Biomechanical lesions NEC.
- There are 6 major blocks in this chapter, 4 of which are broken down into smaller blocks making 15 blocks in total.
- M00-M03 begins with a note explaining an important distinction that is made between the causes (direct or indirect aetiological relationship) of the various disorders. This is the basis of the classification used for this block.

Read the Note on page 629 of the Tabular list now.

- M15-M19 Arthrosis. The term arthrosis is synonymous with osteoarthritis and osteoarthrosis.
- M40-M54 Dorsopathies, has a second supplementary subclassification to indicate the site of involvement. This is set for optional use for all categories in this block, except M50 and M51.

Coding exercises for Chapter XIII

1. Rubella arthritis
 2. Gout of the big toe
 3. Bilateral post-traumatic coxarthrosis
 4. Osteolysis
 5. Tuberculous arthritis
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Sample Hospital Discharge Summaries for Chapter XIII

Summary 1

ADMISSION DATE : 20-3-04

DISCHARGE DATE :21-3-04

AGE : 32 years

SEX : male

This male patient was admitted for investigation of pain in his left knee. He stated the pain had begun during a soccer game yesterday. He was taken to theatre for an arthroscopy which showed a bucket handle tear of his left medial meniscus. A meniscectomy was performed without complication and he was discharged the following day.

Dx

ICD-10 Code

Main Condition:

Other Conditions:

Summary 2

ADMISSION DATE : 28-4-04

DISCHARGE DATE :5-6-04

AGE : 83 years

SEX : female

FINAL DIAGNOSIS: Osteoarthritis L) knee
Total knee replacement

This elderly woman was admitted for a left total knee replacement. She had severe osteoarthritis of this joint.

The procedure went well but the post-operative period was problematic. On 14.5.04, approximately two weeks post procedure, she collapsed. The cause of collapse was uncertain but thought to be due to orthostatic hypotension. No cause could be identified. She required an ICU admission for several days. Her recovery from this event was slow but on 5.6.04 she was discharged to Mount Hospital for rehabilitation.

Dx

ICD-10 Code

Main Condition:

Other Conditions:

Mortality Coding Exercises for Chapter XIII

Exercise 1

<p>I Disease or condition directly leading to death*</p> <p><i>Antecedent causes</i> Morbid conditions giving rise to the above cause, stating the underlying condition last</p>	<p>(a)...Pathological osteoporotic femoral fracture..... due to or as a consequence of</p> <p>(b)...Vision impairment..... due to or as a consequence of</p> <p>(c)...General debility; dementia; Osteoporosis..... due to or as a consequence of</p> <p>(d).....</p>	<p>Duration between onset and death</p> <p>...1 week.....</p> <p>...10 years...</p> <p>.....</p> <p>.....</p>
<p>II Other significant conditions contributing to the death, but not related to the disease or condition causing it</p>	<p>...Postural hypotension...</p>	<p>.....</p>
<p><i>*This does not mean the mode of dying e.g. heart failure, respiratory failure. It means the disease, injury or complication that caused death.</i></p>		

Selected Underlying Cause of Death:

ICD-10 Code:

Which rule applied:

Explanation:

Exercise 2

<p>I Disease or condition directly leading to death*</p> <p><i>Antecedent causes</i> Morbid conditions giving rise to the above cause, stating the underlying condition last</p>	<p>(a)...Gangrene left foot due to peripheral vascular disease (PVD) due to or as a consequence of</p> <p>(b)..... due to or as a consequence of</p> <p>(c)..... due to or as a consequence of</p> <p>(d).....</p>	<p>Duration between onset and death</p> <p>...2 weeks...</p> <p>.....</p> <p>.....</p> <p>.....</p>
<p>II Other significant conditions contributing to the death, but not related to the disease or condition causing it</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p><i>*This does not mean the mode of dying e.g. heart failure, respiratory failure. It means the disease, injury or complication that caused death.</i></p>		<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>

Selected Underlying Cause of Death:

ICD-10 Code:

Which rule applied:

Explanation:

MODULE 20 - ANSWERS

Chapter XIII Diseases of the musculoskeletal system & connective tissue

1. Rubella arthritis

Look up **arthritis** in the Index (Volume 3, page 59).

Arthritis

-rubella -> **B06.8† M01.4***

Refer to M01.4 in the Tabular List (Volume 1, page 630). The note at the beginning of the M01 block directs the coder to pages 628-629 for a site code.

On pages 628-629 is a list of body sites that you can use to choose a fifth character subdivision. The appropriate code would be .9 as no site has been specified. The correct codes for rubella arthritis site unspecified are **B06.8† and M01.49***.

2. Gout of the big toe

Look up **gout** in the Index (Volume 3, page 249).

Gout, gouty -> **M10.9**

Refer to M10.9 in the Tabular List (Volume 1 page 634). The note at the beginning of M10 directs the coder to pages 628-629 for a site code.

On pages 628-629 is a list of body sites that you can use to choose a fifth character subdivision. The appropriate code for the big toe would be 7. The correct code for gout of the big toe is **M10.97**.

3. Bilateral post-traumatic coxarthrosis

Look up **coxarthrosis** in the Index (Volume 3, page 120).

Coxarthrosis

-post-traumatic(unilateral)

- - bilateral -> **M16.4**

4. Osteolysis

Look up **osteolysis** in the Index (Volume 3, page 419)

Osteolysis -> **M89.5**

Refer to M89.5 in the Tabular List (Volume 1 page 671) a note at the beginning of M89 directs the coder to pages 628-629 for a site code.

On pages 628-629 is a list of body sites that you can use to choose a fifth character subdivision. The appropriate code for this condition would be unspecified as no site has been given in our diagnosis. Therefore the code for osteolysis, unspecified is **M89.59**.

5. Tuberculous arthritis

Look up **arthritis** in the Index (Volume 3, page 59).

Arthritis

-tuberculous -> **A18.0† M01.1***

Refer to M01.1 in the Tabular List (Volume 1 page 630) a note at the beginning of M01 directs the coder to pages 628-629 for a site code.

On pages 628-629 is a list of body sites that you can use to choose a fifth character subdivision. The appropriate code would be .9 as no site has been specified. The correct codes for tuberculous arthritis site unspecified are **A18.0†** and **M01.19***.

Hospital Discharge Summaries

Summary 1:

Main Condition: **S83.2** *Tear of meniscus, current*

Other conditions: **X59.90** *Exposure to unspecified factor, unspecified place of occurrence, while engaged in sports activity*

Summary 2:

Main Condition: **M17.9** *Gonarthrosis, unspecified*

Other Conditions: **I95.1** *Orthostatic hypotension*

Mortality Coding Exercises

Exercise 1:

Underlying cause of death: **M80.95** *Unspecified osteoporosis with pathological fracture*

Which rule applied: Rule 1, sequence terminating in first mentioned Condition, then rule D specificity

Exercise 2:

Underlying cause of death: **I73.9** *Peripheral vascular disease, unspecified*

Which rule applied: Rule 1, sequence terminating in condition first mentioned