<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>N18.5</td>
<td>Chronic kidney disease, stage 5</td>
</tr>
<tr>
<td>E11.22</td>
<td>Type 2 diabetes mellitus with established diabetic nephropathy</td>
</tr>
<tr>
<td>E11.31</td>
<td>Type 2 diabetes mellitus with background retinopathy</td>
</tr>
<tr>
<td>E11.40</td>
<td>Type 2 diabetes mellitus with unspecified neuropathy</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>E11.71</td>
<td>Type 2 diabetes mellitus with multiple microvascular and other specified nonvascular complications</td>
</tr>
<tr>
<td>E87.7</td>
<td>Fluid overload</td>
</tr>
<tr>
<td>Z89.5</td>
<td>Acquired absence of leg at or below knee</td>
</tr>
<tr>
<td>B18.1</td>
<td>Chronic viral hepatitis B without delta-agent</td>
</tr>
</tbody>
</table>
Record 1 (cont.)

T82.8 Other specified complications of cardiac and vascular prosthetic devices, implants and grafts

Y84.1 Kidney dialysis as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Y92.22 Place of occurrence, health service area
Record 1 (cont.)

13100-00 [1060] Haemodialysis
Record 1 (cont.)

E11.65 Type 2 diabetes mellitus with poor control
E87.5 Hyperkalaemia
Z91.1 Personal history of noncompliance with medical treatment and regimen
I95.9 Hypotension, unspecified
Underlying principles:

ACS 1438 *Chronic kidney disease*

**Kidney replacement therapy - Classification**

1. Cases of chronic kidney disease with ongoing kidney replacement therapy, whether by dialysis or by transplant, which comply with ACS 0002 *Additional diagnoses*, require a code from N18.- *Chronic kidney disease* to describe the current stage of disease, except in routine dialysis only admissions.

2. For routine dialysis only admissions it can be assumed from the assignment of Z49.1 *Extracorporeal dialysis* or Z49.2 *Other dialysis* that the patient has CKD – stage 5 (see also ACS 1404 *Admission for kidney dialysis*).
Underlying principles:

**ACS 0104 Viral hepatitis**

**Classification**

Viral hepatitis should always be coded when documented except when hepatitis C is documented with terms such as 'cured', 'cleared' or 'with SVR', see 4. Cured/cleared hepatitis C below.

When documentation is unclear or ambiguous terms such as 'hepatitis B', 'hepatitis C', 'hepatitis D', 'hepatitis B positive', 'hepatitis C positive' or 'hepatitis D positive' are documented, verify with the clinician if the disease is at the acute or chronic stage.

Where consultation is not possible, assign the following code for:
- hepatitis B: B18.1 *Chronic viral hepatitis B without delta-agent*
- hepatitis C: B18.2 *Chronic viral hepatitis C*
- hepatitis D: B18.0 *Chronic viral hepatitis B with delta-agent*
Record 2

I95.1 Orthostatic hypotension
E11.43 Type 2 diabetes mellitus with diabetic autonomic neuropathy
E11.22 Type 2 diabetes mellitus with established diabetic nephropathy
N18.5 Chronic kidney disease, stage 5
I10 Essential (primary) hypertension
Record 2 (cont.)

E11.35  Type 2 diabetes mellitus with advanced ophthalmic disease

E11.71  Type 2 diabetes mellitus with multiple microvascular and other specified nonvascular complications
Record 2 (cont.)

13100-00 [1060]  Haemodialysis
Underlying principles:

**ICD-10-AM Alphabetic Index:**

Diabetes, diabetic  
- with  
...  
- - hypotension  
- - - orthostatic E1-.43  
- - - postural E1-.43

Pre-existing Type 2 diabetes mellitus links to postural hypotension
Underlying principles:

**ICD-10-AM Alphabetic Index:**

Diabetes, diabetic  
- with  
...  
- - rubeosis E1-.62  
- - - iris (rubeosis iridis) E1-.35  

Pre-existing Type 2 diabetes mellitus links to rubeosis iridis
Underlying principles:

**ACS 0401 Diabetes mellitus and intermediate hyperglycaemia**

2. SPECIFIC CLASSIFICATION PRINCIPLES FOR DM AND IH

Retinopathy and DM

When retinopathy complications classifiable to more than one code from E1-.31–E1-.33 and/or E1-.35 are documented, only the most advanced stage should be coded.

Patient has documented both:

- iridis rubeosis (E11.35)
- proliferative retinopathy (E11.33)
Record 3

Z49.1 Extracorporeal dialysis
N18.5 Chronic kidney disease, stage 5

13100-00 [1060] Haemodialysis
Record 3 (cont.)

?Z91.1 Personal history of noncompliance with medical treatment and regimen
Underlying principles:

**ACS 1404 Admission for kidney dialysis**

Same-day and overnight episodes of care for dialysis

For episodes of care where the patient is discharged on the same day as the admission or on the next day after admission, code as principal diagnosis either Z49.1 *Extracorporeal dialysis* or Z49.2 *Other dialysis* as appropriate.

*Note:* ACS criteria is length of stay, not admission circumstances of planned or unplanned.
Underlying principles:

ACS 1438 *Chronic kidney disease*

Kidney replacement therapy - Classification

1. Cases of chronic kidney disease with ongoing kidney replacement therapy, whether by dialysis or by transplant, which comply with ACS 0002 *Additional diagnoses*, require a code from N18.- *Chronic kidney disease* to describe the current stage of disease, except in routine dialysis only admissions.

2. For routine dialysis only admissions it can be assumed from the assignment of Z49.1 *Extracorporeal dialysis* or Z49.2 *Other dialysis* that the patient has CKD – stage 5 (see also ACS 1404 *Admission for kidney dialysis*).

This patient is not ‘routine’ as they came in as late presentation via ED.
Renal Workshop

Underlying principles:

**ICD-10-AM Tabular List:**

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>Z91</td>
<td>Personal history of risk-factors, not elsewhere classified</td>
</tr>
<tr>
<td>Z91.1</td>
<td>Personal history of noncompliance with medical treatment and regimen</td>
</tr>
</tbody>
</table>

*Note:* This code should only be used where noncompliance is a precipitating factor in an admission. It should not be used as a principal diagnosis.
Record 4

**T82.8** Other specified complications of cardiac and vascular prosthetic devices, implants and grafts

**I74.2** Embolism and thrombosis of arteries of upper extremities

**I82.8** Embolism and thrombosis of other specified veins

**Y84.1** Kidney dialysis as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

**Y92.22** Place of occurrence, health service area

- **AV fistula – both parts**
Record 4 (cont.)

E11.22  Type 2 diabetes mellitus with established diabetic nephropathy
N18.5  Chronic kidney disease, stage 5
I10    Essential (primary) hypertension
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<tr>
<td>E11.31</td>
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<td>Type 2 diabetes mellitus with multiple microvascular and other specified nonvascular complications</td>
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</tbody>
</table>
Record 4 (cont.)

?Z91.1 Personal history of noncompliance with medical treatment and regimen
Record 4 (cont.)

13100-00 [1060]  Haemodialysis
Underlying principles:

**ICD-10-AM Alphabetic Index:**

Thrombosis, thrombotic .... (vein) (vessel) I82.9
- artery, arteries
- - limb
- - - upper I74.2
...
- specified site NEC I82.8

Difficult to represent both the arterial and venous nature of the AV Fistula

Selected as best fit for venous
Underlying principles:

**ACS 1904 Procedural complications**

**READMISSION FOR TREATMENT OF PROCEDURAL/POSTPROCEDURAL COMPLICATIONS**

The following guidelines apply:

- If documentation does not state that the condition arose as a complication of the initial surgery, only the condition is coded.
- Where documentation clearly states that the condition arose as a complication of the initial surgery the condition should be coded as a procedural/post procedural complication.
Record 5

E87.7  Fluid overload
E11.22 Type 2 diabetes mellitus with established diabetic nephropathy
N18.5  Chronic kidney disease, stage 5
I10    Essential (primary) hypertension
J90    Pleural effusion, NEC
Record 5 (cont.)

E11.72  Type 2 diabetes mellitus with features of insulin resistance

E11.31  Type 2 diabetes mellitus with background retinopathy

E11.71  Type 2 diabetes mellitus with multiple microvascular and other specified nonvascular complications

Z92.22  Personal history of long-term (current) use of other medicaments, insulin
Record 5 (cont.)

Z91.1 Personal history of noncompliance with medical treatment and regimen
F41.9 Anxiety disorder, unspecified
Record 5 (cont.)

13100-00 [1060] Haemodialysis
Record 5 (cont.)

?R18 Ascites

?E11.65 Type 2 diabetes mellitus with poor control

?F03 Unspecified dementia
Underlying principles:

**ICD-10-AM Tabular List:**

**E11** Type 2 diabetes mellitus

*Includes:*
- diabetes (mellitus)(nonobese)(obese):
  - adult onset
  - due to insulin secretory defect
  - insulin resistant
  - maturity onset
  - nonketotic

*Use additional code (Z92.22) to identify current pre-admission or ongoing insulin treatment.*
Thank you