

Data Extraction Form

Reviewer:

First author:

Year of publication:

1. Study Design

What is the study design?

- Case control
- Cohort
 - Prospective
 - Retrospective
- Other: _____

Is the study single-centred or multi-centred?

- Single-centred
- Multi-centred

What is the total number of participants?

N = _____ participants

Are the methods for recruitment and sampling clearly stated?

- Yes
- No

If so, how were patients recruited?

Was ethical approval stated? _____

What were the inclusion and exclusion criteria for participants? (AVF patients)

Inclusion criteria: _____

Exclusion

criteria: _____

What was the AV fistula outcome being assessed?

- AV fistula failure
- Primary AV fistula failure
- AV fistula dysfunction
- AV fistula thrombosis
- Other: _____

Was a definition of a working provided?

- No
 - Yes
- State: _____

How was this outcome diagnosed? (can tick more than one box)

- Clinical signs (i.e. inspection, palpation, auscultation)
- Dialysis failure
- Ultrasonography
- Angiogram/ fistulogram
- Unclear
- Other: _____

State the timing of blood collection:

- At AV fistula construction (i.e. peri-operative)
- At AV fistula failure
- At specified follow-up time. State _____
- Unclear
- Other. State _____

In brief, state the laboratory methods for quantifying biomarkers:

2a. Case control analysis

State the number of cases and controls.

Cases = _____ Definition: _____

Controls = _____

Definition: _____

Is the case group further divided into subgroups?

- Yes, state subgroups and number: _____
- No

Were cases and controls matched for confounding factors?

- Yes,
- No
- Prospective study (cases & controls derived from common baseline population)

If so, list matched confounding factors (e.g. age, gender): _____

2b. Cohort studies

At baseline, did patients have any history of vascular access failure?

- Yes, describe: _____
- No, newly constructed fistula
- Unclear

What was the number of patients recruited? _____

What was the follow up time? _____

How many patients were lost to follow up? _____

What was the final number of participants analysed?

Cases: _____ Controls: _____

4. Statistical Analyses

What statistical analyses were employed?

- Comparative analyses
 - Qualitative
 - χ^2 (chi squared) test
 - Fisher's
 - Quantitative
 - Mann-Whitney U (non-parametric)
 - Student's t test (parametric)
 - Odds ratio

- Predictive analyses
 - Hazards ratio
 - Kaplan-Meier survival curve
 - Log rank test

Other: _____

Was the statistical significance set at $p < 0.05$?

- Yes
- No;
State cut-off: _____
Give reasons:

Were multivariate analyses performed?

- No
- Yes
State any confounding factors that have been adjusted for:

3. Population Characteristics

State available population characteristics data for cases and controls (preferred) OR combined population. List any additional important characteristic data in blank rows.

Item	Units	Cases	Controls	Combined Population
% Males				
Age				
Smoking				
Hypertension				
Hypertension				
Dyslipidaemia				
BMI				
Radiocephalic: brachiocephalic				
Kt/v				
Duration of CRF				
Duration of HD				
Previous vascular access failure				

BMI, body mass index; CRF, chronic renal failure; HD, haemodialysis

State available medication data for cases and controls (preferred) OR combined population.

Medications	Dose	Cases	Controls	Combined Population
Anticoagulants				
Lipid altering medications				
Anti-hypertensives				

List any other limitations not stated by the author:
