Table I: Demographics on 36 patients that were operated for infective endocarditis in Iceland 1997-2013. Number of patients and % unless mean, standard deviation and range for age, body mass index and EuroScore II.

	Number	%
Male	28	78
Age	56.3 ± 14.3	(30-80)
Coronary artery disease	5	14
Hypertension	15	43
Hyperlipidemia	5	14
Diabetes (Type I and II)	5	14
Smoking (n=30)	23	77
Active smoking	13	43
Bicuspid aortic valve	9	25
Chronic kidney failure	7	20
Body mass index (kg/m²)	27.2 ± 4.8	(15.46-34.7)
Previous heart surgery	4	11
Intravenous drug abuse	5	14
Immunosuppression	3	8
Infected bone implant	3	8
Poor dental status	1	3
Peripheral vascular disease	1	3

Chronic obstructive lung	3	8
disease		
Transient ischemic	6	17
attack		
EuroSCORE II	14.0 ± 21.0	(0.77-55.01)

Table II: Symptoms and diagnostic methods for 36 patients that were operated for infective endocarditis in Iceland 1997-2013. Number and % unless otherwise stated.

	Number	%
Fever (n=33)	27	82
Dyspnea (n=29)	24	86
Weight loss	10	28
Heart failure (n=33)	26	79
NYHA Class IV	14	42
Pulmonary hypertension	6	17
Infected valve vegetation	16	44
Echocardiography	36	100
Transthoracic	36	100

Transesophageal	31	86
Coronary angiography	22	60
Positive blood culture	29	81
Chest computed tomography (CT)	7	19
Chest magnetic resonance imaging (MRI)	1	3

Table III: Antibiotic treatment of 36 patients that were operated for infective endocarditis in Iceland 1997-2013. Most patients had more than one antibiotic at a time. Number and % unless otherwise stated.

Antibiotic	Number	%
3 rd generation cephalosporins	20	56
Penicillin-beta lactam derivatives	18	50
Vancomycin	15	42
Penicillin	14	39

Gentamycin	13	36
Carbapenem	4	11
Fluoroquinolone	4	11
1 st generation cephalosporin	3	8
Rifampicin	3	8
Trimetoprim/sulfa	1	3
Daptomycin	1	3
Linezolid	1	3
Tetracyclin	1	3

Table IV: Operation acuity, intraoperative information and type of operation performed for patients operated for infective endocarditis in Iceland 1997-2013. Number and % unless otherwise stated. One patient was operated on both aortic and mitral valves.

	Number	%
Acute operation	12	33

Subacute operation	13	36
Urgent operation	11	31
Time from diagnosis to operation	12 ± 80	(Range: 0-593)
Aortic valve (n=26)	26	72
Biological prosthesis	16	62
Mechanical prosthesis	10	38
Concomitant CABG	5	19
Another valve repaired concomitantly	5	19
Cardiopulmonary bypass time (min)	163 ± 77	(Range: 73-382)
Cross-clamp time (minutes)	119 ± 56	(Range: 57-273)
Mitral valve (n=10)	10	28
Biological prosthesis	4	40
Mechanical prosthesis	4	40
Valvuloplasty	2	20
Concomitant CABG	2	20
Another valve repaired concomitantly	1	10
Cardiopulmonary bypass time (minutes)	153 ± 44	(Range: 103 - 215)

Cross-clamp time (minutes)	109 ± 38	(Range: 62 -163)
Tricuspid valve	1	3
Biological prosthesis (n=1)	1	100
Cardiopulmonary bypass time (minutes)	74	
Cross-clamp time (minutes)	51	

Table V: Bleeding and the use of blood products on patients that were operated for infective endocarditis in Iceland 1997-2013.

	Median	Range
Total bleeding (mL)	870 ± 3730	230 - 20865
Packed red blood cells (units)	4.0 ± 13.6	1- 65
Fresh frozen plasma (units)	4.0 ± 22.8	0 - 9
Platelets (units)	2.5 ± 2.2	0 - 117

Table VI: Major and minor postoperative complications for 36 patients who were operated for infective endocarditis in Iceland 1997-2013. Number and % unless otherwise stated.

	Number	%
Major complications		
Reoperation for bleeding (n=35)	9	26
Perioperative myocardial infarction (n=34)	12	35
Respiratory failure (n=35)	15	43
Tracheostomy (n=35)	8	23
Renal replacement therapy (n=35)	6	17
Stroke (n=35)	5	14
Mediastinitis	0	
Reoperation due to endocarditis	1	3
Multiorgan failure (N=35)	7	20
Major complications total	22	61
Minor complications		
New atrial fibrillation/flutter	20	56
Pneumonia (n=35)	10	29
Pleurocentesis (n=35)	8	23
Renal replacement therapy (n=35)	8	23

Intensive care neuropathy (n=35)	3	9
Urinary tract infection (n=35)	4	11
Superficial wound infection	1	3
Minor complications total	23	64
Intraoperative death	1	3
Operative mortality (< 30 days)	4	11

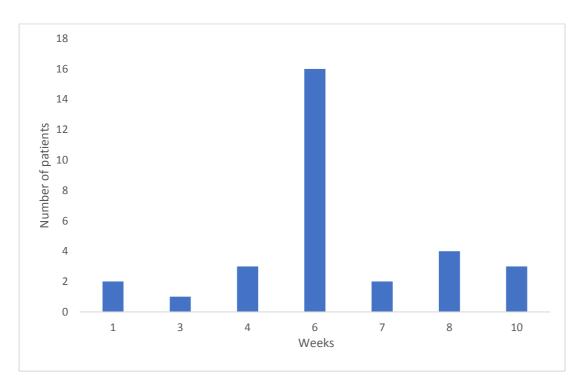


Figure 1: Length of antibiotic treatment in weeks for patients that were operated for infective endocarditis in Iceland 1997-2013. Number of patients is shown.

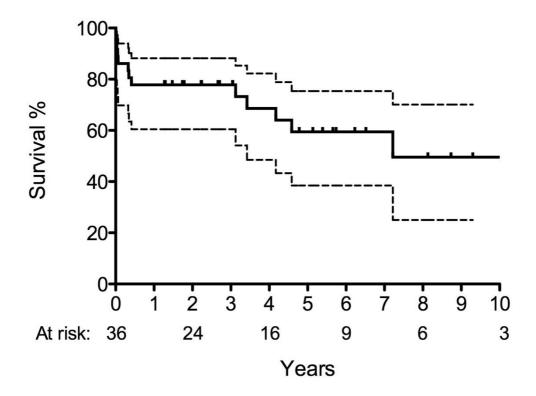


Figure 2: Survival of 36 patients that were operated for infective endocarditis in Iceland 1997-2013. Broken lines show 95% confidence intervals and number of patients at risk at any given time is indicated below.