

Table 1. Baseline characteristics, therapeutic options and blood pressure outcome in patients diagnosed with FMD before 2000 or in 2000 or later

	Before 2000 (<i>n</i> =134)		2000 or later (<i>n</i> =278)		<i>p</i>
	No.	Value	No.	Value	
Males, <i>n</i> (%)	134	19 (14)	278	60 (22)	0.08
Age at diagnosis of hypertension, <i>years</i>	134	35 [22, 43]	275	39 [27, 48]	0.002
Age at diagnosis of FMD, <i>years</i>	134	41 [26, 51]	278	48 [37, 59]	< 0.001
Focal FMD, <i>n</i> (%)	134	30 (22)	278	56 (20)	0.61
Baseline evaluation					
Systolic BP, <i>mmHg</i>	107	170 [154, 183]	258	144 [129, 159]	< 0.001
Diastolic BP, <i>mmHg</i>	107	104 [92, 114]	258	87 [77, 98]	< 0.001
Treatment score, <i>n</i>	104	1 [1, 2]	257	2 [1, 3]	< 0.001
Treatment					
Conservative, <i>n</i> (%)	134	49 (37)	278	152 (55)	< 0.001

Angioplasty, <i>n</i> (%)	134	58 (43)	278	119 (43)	1
Surgery, <i>n</i> (%)	134	27 (20)	278	7 (3)	< 0.001
Follow-up evaluation					
Systolic BP at follow-up, <i>mmHg</i>	109	132 [119, 144]	243	126 [117, 140]	0.03
Diastolic BP at follow-up, <i>mmHg</i>	109	76 [68, 86]	243	78 [70, 84]	0.78
Treatment score at follow-up, <i>n</i>	109	2 [1, 3]	242	2 [1, 3]	0.60
BP at target, <i>n</i> (%)	109	71 (65)	243	173 (71)	0.26
Hypertension cure,* <i>n</i> (%)	68	16 (24)	111	33 (30)	0.39

The number of observations (No.) available for analysis is shown for each variable. The values shown are the numbers of patients (percentage) for binary variables and the median [interquartile range] for quantitative variables.

*In patients who had undergone revascularization.

BP, blood pressure; FMD, fibromuscular dysplasia.

Table 2. Baseline characteristics by treatment option

	Conservative management		Angioplasty		Open surgery		<i>p</i>
	No.	Value	No.	Value	No.	value	
Male sex, <i>n</i> (%)	201	35 (17)	177	31 (18)	34	13 (38)	0.02
Age at diagnosis of hypertension, <i>years</i>	199	44 [36, 52]	176	33 [22, 40]	34	21 [18, 30]	< 0.001
Age at diagnosis of FMD, <i>years</i>	201	54 [47, 62]	177	38 [26, 47]	34	24 [18, 35]	< 0.001
Focal FMD, <i>n</i> (%)	201	6 (3)	177	67 (38)	34	13 (38)	< 0.001
Bilateral renal artery FMD, <i>n</i> (%)	201	116 (58)	177	82 (46)	34	18 (53)	0.08
History of dyslipidemia, <i>n</i> (%)	184	61 (33)	152	30 (20)	30	0 (0)	< 0.001
History of diabete, <i>n</i> (%)	183	9 (5)	152	3 (2)	28	1 (4)	0,29
Current smokers, <i>n</i> (%)	181	32 (18)	151	63 (42)	29	9 (31)	< 0.001
Body mass index, <i>kg/m²</i>	186	24 [22, 27]	157	22 [19, 25]	19	22 [20, 23]	< 0.001
Systolic BP, <i>mmHg</i>	181	145 [128, 159]	164	156 [141, 173]	27	172 [156, 190]	< 0.001
Diastolic BP, <i>mmHg</i>	181	86 [76, 98]	164	96 [86, 107]	27	110 [100, 119]	< 0.001

Treatment score, <i>n</i>	181	2 [1, 3]	154	2 [1, 3]	25	1 [0, 3]	0.08
Controlled hypertension, <i>n (%)</i>	181	68 (38)	156	33 (21)	27	1 (4)	< 0.001
Creatinine clearance, <i>ml/min/1.73m²</i>	170	86 [72, 99]	147	90 [74, 108]	17	90 [78, 121]	0.05
Creatinine clearance \leq 60 ml/min/1.73m ² , <i>n (%)</i>	170	10 (6)	147	20 (14)	17	0 (0)	0.03

The number of observations (No.) available for analysis is shown for each variable. The values shown are the numbers of patients (percentage) for binary variables and the median [interquartile range] for quantitative variables

BP, blood pressure; FMD, fibromuscular dysplasia.

Table 3. Blood pressure and renal outcome at most recent visit, by treatment option

	Conservative management		Angioplasty		Open surgery		<i>p</i>
	No.	Value	No.	Value	No.	Value	
Median year of FMD diagnosis	201	2006 [2000, 2009]	177	2003 [1997, 2008]	34	1991 [1983, 1995]	
Median follow up*, <i>months</i>	163	29 [7, 68]	141	34 [11, 94]	26	179 [81, 316]	< 0.001
Age, <i>years</i>	179	59 [50, 67]	157	42 [29, 51]	32	42 [33, 58]	< 0.001
Decrease from baseline in systolic BP,* <i>mmHg</i>	161	-12 [-28, 3]	136	-25 [-43, -7]	26	-35 [-41, -22]	< 0.001
Decrease from baseline in diastolic BP,* <i>mmHg</i>	161	-6 [-20, 3]	136	-15 [-28, -6]	26	-28 [-38, -19]	< 0.001
Systolic BP at most recent visit, <i>mmHg</i>	178	129 [117, 141]	152	128 [117, 140]	32	130 [120, 151]	0.39
Diastolic BP at most recent visit, <i>mmHg</i>	178	78 [69, 83]	152	79 [72, 85]	32	75 [69, 88]	0.27
Treatment score at most recent visit, <i>n</i>	177	2 [1, 3]	154	1 [0, 2]	32	2 [1, 3]	< 0.001
BP at target, <i>n (%)</i>	178	125 (70)	152	106 (70)	32	20 (63)	0.66
Hypertension cure in revascularized patients, <i>n (%)</i>	-	-	152	43 (28)	32	6 (19)	0.37
Estimated creatinine clearance, <i>ml/min/1.73m²</i>	127	80 [63, 100]	115	92 [75, 112]	24	84 [72, 109]	< 0.001

Creatinine clearance \leq 60 ml/min/1.73m ² , <i>n</i> (%)	127	22 (17)	115	9 (8)	24	4 (17)	0.06
Patients with renal complications, <i>n</i> (%)	199	44 (22)	176	71 (40)	19	33 (58)	< 0.001

The number of patients (No.) available for analysis is shown for each variable. The values shown are the numbers of patients (percentage) for binary variables and the median [interquartile range] for quantitative variables.

*Among patients who attended both baseline and follow-up visits at this unit.

BP, blood pressure; FMD, fibromuscular dysplasia

Supplemental Digital Content Table 1. Baseline characteristics in patients with multifocal FMD, by treatment option.

	Conservative management		Revascularization		<i>p</i>
	No.	Value	No.	Value	
Male sex, <i>n</i> (%)	195	32 (16)	131	17 (13)	0.43
Age at diagnosis of hypertension, <i>years</i>	193	44 [36, 52]	130	36 [25, 43]	< 0.001
Age at diagnosis of FMD, <i>years</i>	195	54 [47, 63]	131	41 [31, 50]	< 0.001
Family history of hypertension, <i>n</i> (%)	142	96 (68)	86	53 (62)	0.39
Delay hypertension/FMD diagnosis, <i>years</i>	193	7 [2, 17]	130	3 [1, 9]	< 0.001
Bilateral renal artery FMD, <i>n</i> (%)	195	115 (59)	130	78 (60)	0.91
History of dyslipidemia, <i>n</i> (%)	178	60 (34)	113	22 (19)	0.01
History of diabete, <i>n</i> (%)	177	9 (5)	112	3 (3)	0.38
Current smokers, <i>n</i> (%)	175	29 (17)	112	44 (39)	< 0.001
Body mass index, <i>kg/m²</i>	176	24 [22, 27]	99	22 [20, 25]	< 0.001
Systolic BP, <i>mmHg</i>	176	145 [128,159]	109	158 [142, 176]	< 0.001

Diastolic BP, <i>mmHg</i>	176	86 [75, 98]	109	97 [86, 110]	< 0.001
Treatment score, <i>n</i>	176	2 [1, 3]	108	2 [1, 3]	0.65
Controlled hypertension, <i>n (%)</i>	176	66 (38)	109	22 (20)	0.002
Creatinine clearance, <i>ml/min/1.73m²</i>	165	85 [71, 98]	94	85 [73, 100]	0.68
Creatinine clearance \leq 60 ml/min/1.73m ² , <i>n (%)</i>	165	20 (12)	94	5 (5)	0.08

The number of patients (No.) available for analysis is shown for each variable. The values shown are the numbers of patients (percentage) for binary variables and the median [interquartile range] for quantitative variables.

BP, blood pressure; FMD, fibromuscular dysplasia

Supplemental Digital Content Table 2. Blood pressure and renal outcome at most recent visit in patients with multifocal FMD, by treatment option

	Conservative management		Revascularization		<i>p</i>	<i>Adjusted p</i>
	No.	Value	No.	Value		
Median year of DFM diagnosis	195	2006 [1999-2010]	131	2000 [1993-2007]	< 0.001	
Median follow up*, <i>months</i>	158	28 [7, 64]	99	50 [12, 127]	0.006	
Age, <i>years</i>	173	60 [51, 67]	116	48 [39, 60]	< 0.001	
Decrease from baseline in systolic BP,** <i>mmHg</i>	156	-11 [-28, 5]	95	-27 [-44, -9]	< 0.001	0.18
Decrease from baseline in diastolic BP,** <i>mmHg</i>	156	-6 [-20, 3]	95	-16 [-30, -6]	< 0.001	0.30
Systolic BP at most recent visit, <i>mmHg</i>	172	130 [118, 142]	112	130 [118, 143]	0.69	0.18
Diastolic BP at most recent visit, <i>mmHg</i>	172	78 [69, 83]	112	78 [70, 86]	0.23	0.30
Treatment score at most recent visit, <i>n</i>	171	2 [1, 3]	113	1 [0, 3]	< 0.001	0.01
BP at target, <i>n (%)</i>	172	120 (70)	112	73 (65)	0.44	0.15
Hypertension cure in revascularized patients, <i>n (%)</i>	-	-	112	21 (19)	-	-
Estimated creatinine clearance, <i>ml/min/1.73m²</i>	122	80 [63, 100]	92	82 [72, 102]	0.17	0.10

Creatinine clearance \leq 60 ml/min/1.73m ² , <i>n</i> (%)	122	22 (18)	92	10 (11)	0.33	0.60
Creatinine clearance \leq 30 ml/min/1.73m ² , <i>n</i> (%)	122	1 (1)	92	0 (0)	1	0.65
Patients with renal complications, <i>n</i> (%)	193	41 (21)	130	51 (39)	< 0.001	0.07

The number of patients (No.) available for analysis is shown for each variable. The values shown are the numbers of patients (percentage) for binary variables and the median [interquartile range] for quantitative variables.

* p value adjusted for ages at FMD diagnosis and follow-up visit; sex; bilateral RAS; baseline BP level, treatment score and BMI by analysis of covariance.

**Among patients who attended both baseline and follow-up visits at this unit.

BP, blood pressure; FMD, fibromuscular dysplasia