

MITRA SWISS newsletter

N. 1 - May 2013

Dear MitraSwiss participants

We are pleased to send you the first SWISS MitraClip Registry Newsletter, which includes an update (January 2013) on the first 121 patients included into the Registry since September 2011. Six centres are currently performing MitraClip interventions (Universitätsspital Zürich, Kantonsspital Luzern, Cardiocentro Ticino, Universitätsspital Basel, Inselspital Bern, Klinik im Park), all of them agreed to provide the Registry with their data.

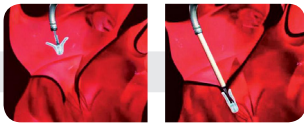
As you all know, the MitraClip has recently been recognized by the Federal Office of Public Health for mandatory reimbursement (inoperable patients with severe mitral regurgitation with predicted mortality 10-15% and suitable anatomy), one of the binding conditions being the participation to the Registry. Therefore, an extra effort is requested to all of us - participating and coordinating (Cardiocentro Ticino) centres - in order to maintain the quality and the efficiency of the Registry itself. As already discussed during our last meeting in Lucerne, we have recently adopted two additional measures aiming at improving the collection of data:

- we are currently simplifying the database considerably by eliminating some redundant parameters. The new version, which will include one section for mandatory parameters and another one for facultative ones, should be available by the end of May
- starting from April 2013 we can count on a 50%-nurse to support Dr. Daniel Sürder in his monitoring activity

We remind you that the Registry, led by Cardiocentro Ticino, is supported by an unrestricted grant of Abbott and by an additional support from the Working Group PCI and Acute Coronary Syndromes.

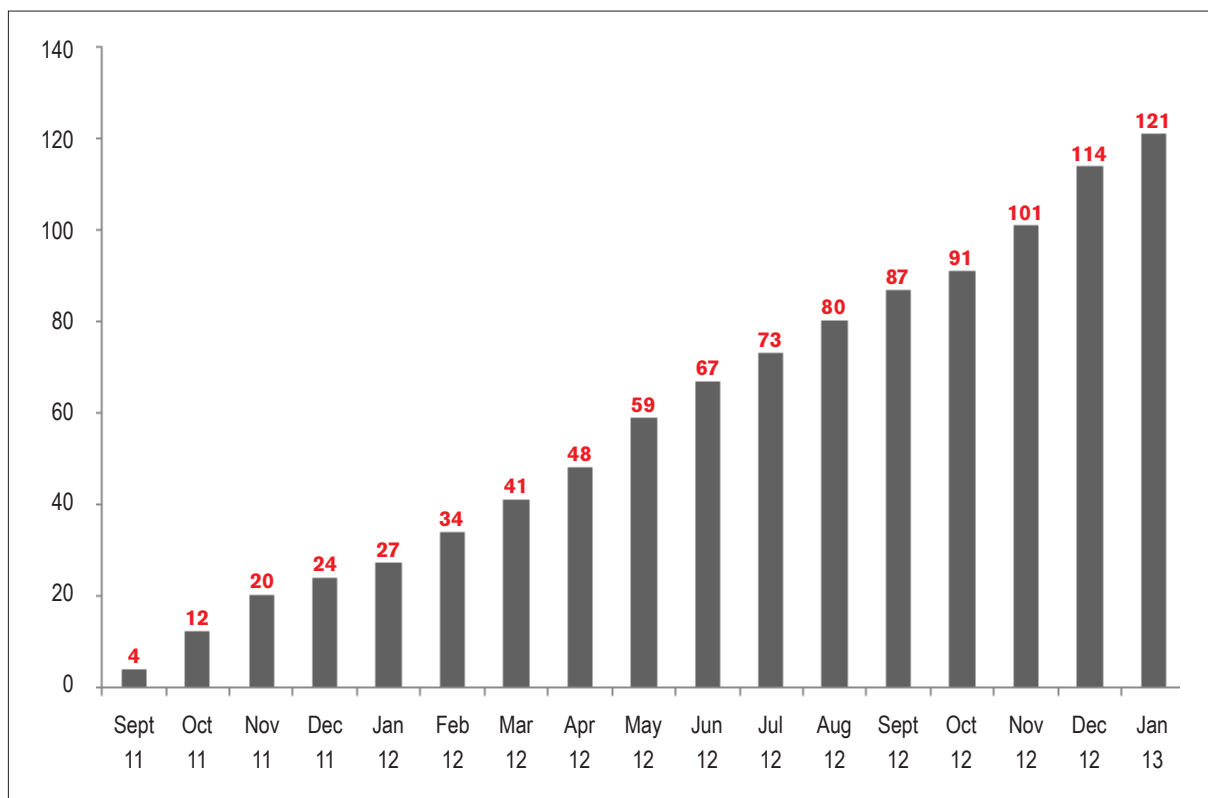
Study Contact

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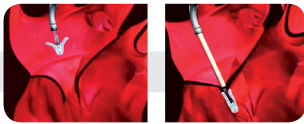
The chart below shows a summary of the current recruitment status of each centre as well as the monthly enrolment.

Site	Status	1 st patient	Recruited	Monthly average
Basel	Recruiting	02/2012	18	1.50
Bern	Recruiting	12/2012	2	1.00
Cardiocentro	Recruiting	09/2011	16	0.94
Lucerne	Recruiting	11/2011	17	1.13
Klinik im Park Zurich	Recruiting	11/2012	6	2.00
University Hospital Zurich	Recruiting	09/2011	62	3.65
Total patients			121	7.12



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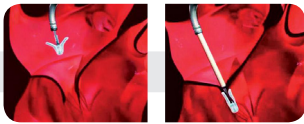


Baseline characteristics of the 121 patients included so far, as well as periprocedural results and safety, are summarized in the tables below:

Patients Characteristics			
Age - years; mean (SD)	75.6 (10.3)	COPD - %	14
BMI - kg/m ² ; mean (SD)	26.1 (15.9)	Prev. cerebro-vascular infarction - %	12.5
Gender (male) - %	63.6	Renal failure - %	57.5
Hypertension - %	77.5	Cancer of any type - %	16.5
Hyperlipidemia - %	52.9	Logistic EuroScore (%) - mean (SD)	11.6 (13.1)
Diabetes - %	22.2	Chronic / intermittent AF - %	55.8
Coronary artery disease - %	52.1	Previous PM or ICD implantation - %	30.3
Previous MI - %	29.4	CRT - %	20.3
Previous PCI - %	37	<i>Mitral valve - grade of mitral regurgitation at baseline - %</i>	
Previous CABG - %	21.7	Moderate	1.7
Previous valve surgery - %	10	Moderate to severe	13.7
Prev. Thoraci surgery - %	1.7	Severe	84.6
Prev. heart failure - %	43.6	MR etiology - %	
NYHA class		Functional / functional ischemic	55.5
I / II	23.3	Degenerative	40.7
III	65	Mixed	3.7
IV	11.7	LVEF (mean; SD)	45.0 (17.4)

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**Periprocedural Data and 30 days outcome****No implanted clips (%)**

Clip implantation not done / possible	0.8
1 clip	34.5
2 clips	52.9
3 clips	10.1
4 clips	1.7

Acute procedural success (%)

Overall	89.3
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In-hospital mortality / morbidity (%)

Periprocedural mortality	0
In-hospital mortality	2.5
Mortality at 30 days	2.5
Cardiac surgery within 30 days	0

Periprocedural complications (%)

Artificial respiration > 48h	0.8
LVAD	0
Bleeding requiring transfusion	2.5
Complication due to transseptal puncture	3.4
Cerebrovascular infarction	0.8

Hospital stay – days

ICU/CCU stay – median (IQR)	1.4 (1.1)
Total hospital stay	6.2 (4.1)

On behalf of the Swiss MitraClip Registry investigators:

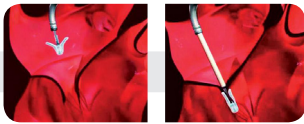
Dr. Daniel Sürder and PD Dr. G. Pedrazzini

Publications:

1. Daniel Sürder, Giovanni Pedrazzini, Oliver Gaemperli, Patric Biaggi, Christian Felix, Kaspar Rufibach, Christof auf der Maur, Raban Jeger, Peter Buser, Beat Kaufmann, Marco Moccetti, David Hürlimann, Ines Bühler, Dominique Bettex, Jacques Scherman, Elena Pasotti, Franco Faletra, Michel Zuber, Tiziano Moccetti, Thomas F. Lüscher, Paul Erne, Jürg Grünenfelder and Roberto Corti. *Long-term efficacy of percutaneous mitral valve repair using the Mitraclip system depends on acute MR reduction: the results of the MitraSwiss registry.* Heart doi:10.1136/heartjnl-2012-303105.

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Next meeting, save the date:

Wednesday 12 June 2013, at 10.30, Cardiocentro Ticino (Zwick Room)

MitraSwiss Steering Committee:

Prof. Paul Erne

Prof. Roberto Corti

PD Dr. Giovanni Pedrazzini

MitraSwiss Clinical Event Committee:

PD Dr. Raban Jeger

PD Dr. Oliver Gaemperli

Dr. Daniel Sürder

Reference Physicians and Nurses for the Participating Centres:

Universitätsspital Zürich: Prof. Dr. med. Roberto Corti; Ms Ines Bühler (until 31.5.2013)

PD Dr. med. Oliver Gaemperli; Ms Ulrike Sängler (from 1.6.2013)

Cardiocentro Ticino: Dr. med. Daniel Sürder, Ms Manuela Mombelli

Kantonsspital Luzern: Dr. med. Stefan Toggweiler; Ms Gabriele Krieg

Kantonsspital Basel: PD Dr. med. Raban Jeger; Ms Sandra Wirz

Inselspital Bern: PD Dr. med. Lutz Büllsfeld; Ms Christa Schönenberger

Klinik Im Park, Zürich: Prof. Dr. med. Barbara Naegeli; Ms Barbara Bögli

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