

MITRA SWISS newsletter

N. 4 - May 2018

Dear MitraSwiss participants,

Time has come to give you an update on the current evolution of the MitrasSwiss Registry. This fourth edition of the newsletter, released in May 2018 reports data until December 2017.

During the last year, we finally reached and overcome the predefined number of 1000 patients enrolled in the registry. Current recruitment status as well as yearly inclusion rate are listed in figure 1 and Table 1.

We want to highlight once again the importance of this initiative. A lot of national registries are currently recruiting patients, this represents a great possibility for research, quality assessment and trend analysis but also a great burden of duties that impact on our daily activities. Nonetheless, we are committed to the task we gave ourselves many years ago, and further motivated by the words by prof. Bax, president of the European Society of Cardiology, who clearly encouraged registries who are the only way able to collect real life, providing a valuable contribution to knowledge as well a fundamental tool for trials' design.

The MitraSwiss registry gives to all of us the unique possibility of an epidemiological observation of the adoption of percutaneous repair of mitral valve in our nation. It's worthwhile to remember that inclusion of cases in the registry is a key condition for procedure's reimbursement. We all hope in your continue motivation in referring patients. According to the new DRG classification (F98B), the cost weight for 2018 has been adapted to 5.8360.

Having reached the predefined number of 1000 patients included in the registry and knowing the important investment that referrals requires both in terms of time and dedication, as already discussed within the steering committee, we decided to maintain patient's recruitment but to shorten the e-form with fewer variables. The steering committee is now working on a list of variables to include in this renewed version of the registry. This will allow us to continue monitoring the clinical application of Mitraclip in our country as well as to keep collecting data for research purposes. As already specified in the original design of this registry, a 5 years follow up of included patients will be performed. In addition, the introduction in the clinical armamentarium of several percutaneous alternatives to treat mitral regurgitation is a great research opportunity for all of us. The steering committee is currently delineating how to include those patients in the current registry. Finally, we would like to thank our data monitoring, Mr. Prosperini, for his accurate work.

Study Contact

Prof. Giovanni Pedrazzini / PD Dr. Daniel Sürder / Dr. Luigi Biasco, PhD - Fondazione Cardiocentro Ticino, Lugano
giovanni.pedrazzini@cardiocentro.org / daniel.suerder@cardiocentro.org / luigi.biasco@cardiocentro.org
T. +41 91 805 31 11



Currently several research activities are underway. The outcome of the first 1000 patients according to MR etiology has been in depth evaluated (D. Sürder, G. Pedrazzini). The outcome after Mitraclip implant in non responders to cardiac resynchronization therapies (A. Auricchio). Moreover, we are currently comparing the outcome of Mitraclip patients as a whole as well as stratified accordingly to etiology and procedural success to the mortality rate of Swiss residents with comparable age (L. Biasco, G. Pedrazzini).

TABLE 1. CURRENT RECRUITMENT STATUS

Center	Patients recruited	Number of patients recruited per month
Inselspital Bern	75	1.23
Kantonsspital Basel	76	1.03
Hopital Univ. de Genève	29	0.74
Herzkllinik Hirslanden Zürich	131	2.67
Kantonsspital Aarau	81	1.84
Cardiocentro Ticino	87	1.16
CHUV Lausanne	32	0.78
Kantonsspital Luzern	81	1.09
Universitätsspital Zürich	290	3.82
Klinik im Park Zürich	163	2.17
Total number	1045	16.53

Study Contact

Prof. Giovanni Pedrazzini / PD Dr. Daniel Sürder / Dr. Luigi Biasco, PhD - Fondazione Cardiocentro Ticino, Lugano
giovanni.pedrazzini@cardiocentro.org / daniel.suerder@cardiocentro.org / luigi.biasco@cardiocentro.org
T. +41 91 805 31 11

**TABLE 2. CLINICAL CHARACTERISTICS OF PATIENTS ENROLLED (N=1045)**

Age- years; median (range)	77 (72-84)
BMI- Kg/m ² ; median (range)	25.29 (22.19-27.76)
Males, %	60.68
Hypertension, %	75.90%
Diabetes, %	19.48
Hyperlipidemia, %	48.15
CAD, %	53.17
Previous valve surgery, %	10.16
Previous TAVR, %	4.60
Previous HF, %	31.63%
NYHA class III/IV, %	72.28
LVEF, median (range)	50 (34-61)
Previous AF, %	53.00
Previous PM/ICD, %	23.15
Previous CRT, %	1.93
Logistic ES, %	7.4 (4.29-16.32)
Euro score II, median (range)	4.2 (2.43-7.48)
STS score, median (range)	3.9 (2.06-7.48)
MR Etiology	
Functional, %	47.11
Degenerative, %	45.02
Mixed, %	7.87

Study Contact

Prof. Giovanni Pedrazzini / PD Dr. Daniel Sürder / Dr. Luigi Biasco, PhD - Fondazione Cardiocentro Ticino, Lugano
giovanni.pedrazzini@cardiocentro.org / daniel.suerder@cardiocentro.org / luigi.biasco@cardiocentro.org
T. +41 91 805 31 11



FIGURE 1. NUMBER OF PATIENTS INCLUDED PER YEAR

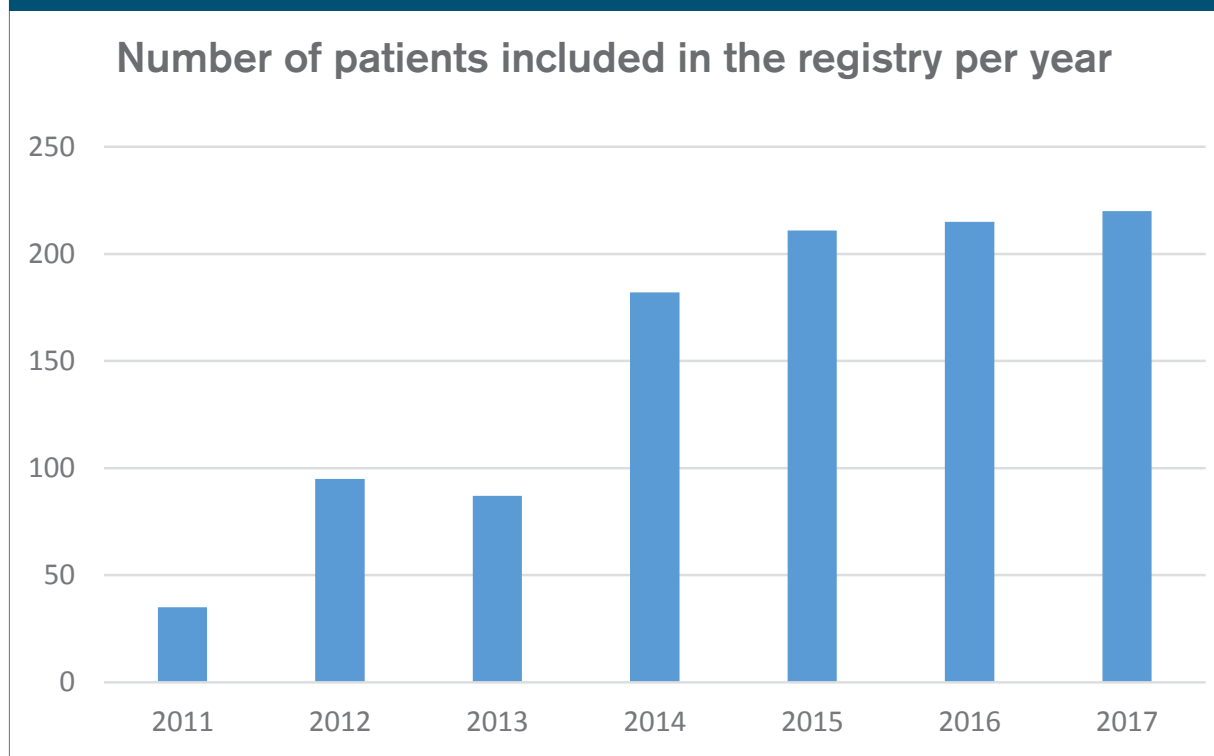
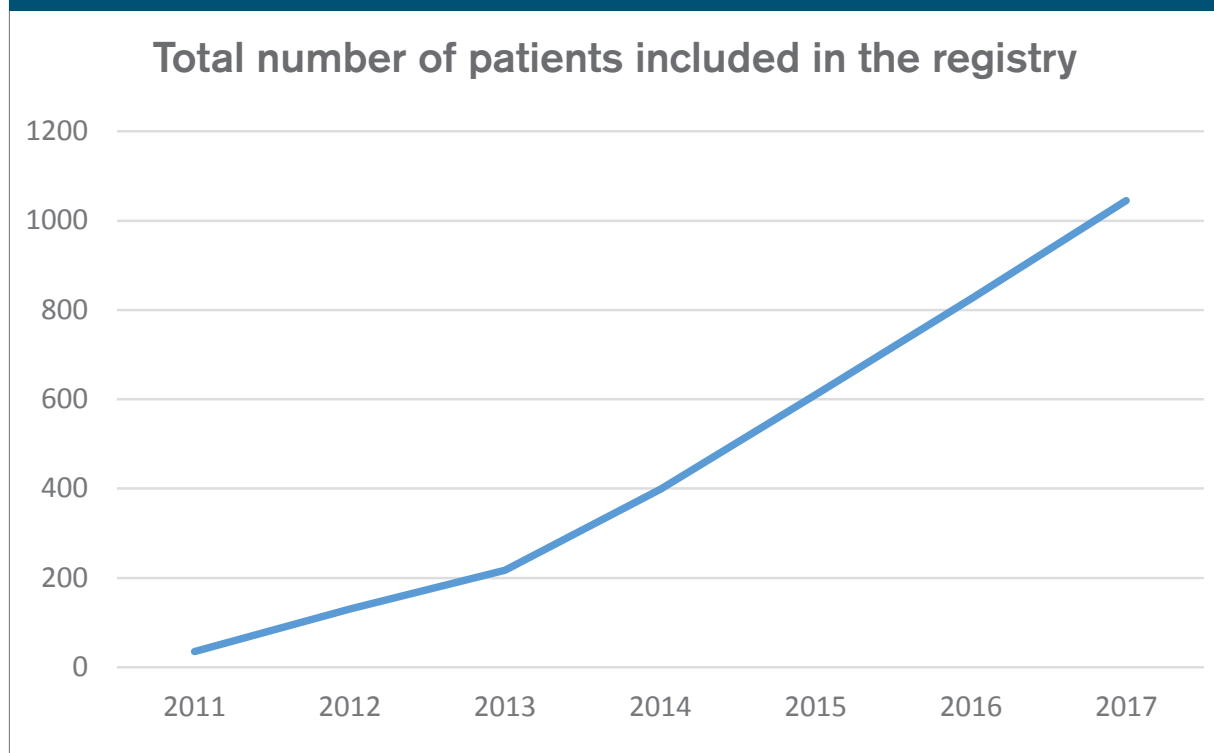


FIGURE 2. PROGRESSION OF REGISTRY POPULATION



Study Contact

Prof. Giovanni Pedrazzini / PD Dr. Daniel Sürder / Dr. Luigi Biasco, PhD - Fondazione Cardiocentro Ticino, Lugano
giovanni.pedrazzini@cardiocentro.org / daniel.suerder@cardiocentro.org / luigi.biasco@cardiocentro.org
T. +41 91 805 31 11



On behalf of the Swiss MitraClip Registry investigators:

PD Dr. Daniel Sürder, Dr. Luigi Biasco PhD, and Prof. G. Pedrazzini

MitraSwiss Steering Committee:

Prof. Paul Erne

Prof. Roberto Corti

Prof. Giovanni Pedrazzini

MitraSwiss Clinical Event Committee:

Prof. Raban Jeger

Prof. Oliver Gaemperli

PD Dr. Daniel Sürder

MitraSwiss Statistician:

Prof. Catherine Klersy

MitraSwiss Responsible Database:

Dr. Moreno Curti

Reference Physicians and Nurses for the Participating Centres:

Universitätsspital Zürich: Prof. Francesco Maisano, Mrs. Christine Hager,
Mrs. Ulrike Sängler

Cardiocentro Ticino: PD Dr. Daniel Sürder, resp. Dr. MariaGrazia Rossi;
Mr. Giuseppe Prosperini (Monitoring)

Kantonsspital Luzern: Dr. Stefan Toggweiler, Mrs. Gabriele Krieg

Kantonsspital Basel: Prof. Raban Jeger, Mrs. Nicole Gilgen

Inselspital Bern: Dr. Fabien Praz, Mr. André Frenk

Klinik Im Park, Zürich: Prof. Barbara Naegeli, Mrs. Eva Tanner

Herzkllinik Hirslanden Zürich: Prof. Roberto Corti, Mrs. Ines Bühler,
Mrs. Christina Schneider

Kantonsspital Aarau: Dr. A. Vuillomenet, Mrs. Sandra Popp

CHUV Lausanne: Prof. Olivier Mueller, Mrs. Sabine Lamsidri

Hopital Univ. de Genève: PD Dr. Stephane Noble, Mrs. Armelle Delort

Study Contact

Prof. Giovanni Pedrazzini / PD Dr. Daniel Sürder / Dr. Luigi Biasco, PhD - Fondazione Cardiocentro Ticino, Lugano
giovanni.pedrazzini@cardiocentro.org / daniel.suerder@cardiocentro.org / luigi.biasco@cardiocentro.org
T. +41 91 805 31 11
