



Save as many lives as possible

-We keep trying to develop advanced medical devices-

Nobumasa Tsutsui
Tokai Medical Products, Inc.

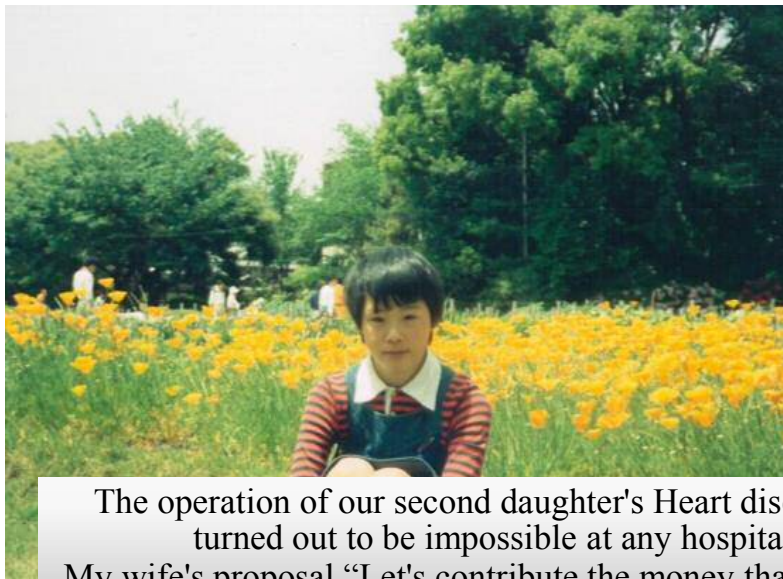




1960, Graduated from Tokai High School.
Achieved National Champion at team competition in Judo 1964.
Graduated from Kuwansei Gakuin University, Faculty of Economics.



1964, Entered Tokai Koubunshi Kagaku (My father's company).
This company had become saddled with a very high level of debt.
Developed a hair string for African woman.
Debt equal with 72 years revenue was shortened for seven years.



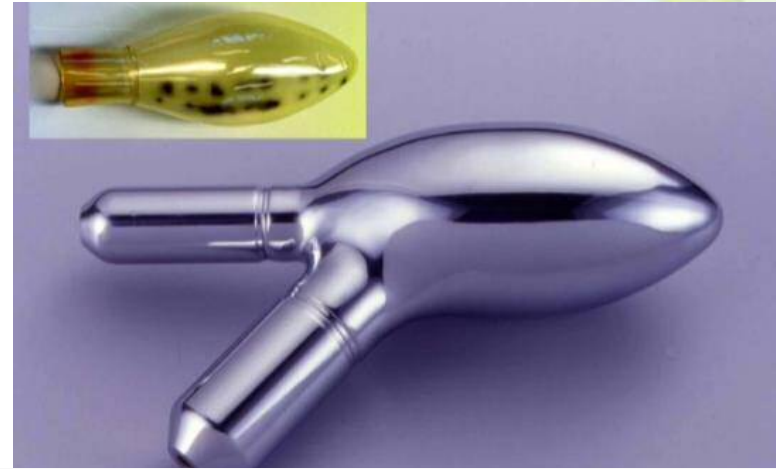
The operation of our second daughter's Heart disease was turned out to be impossible at any hospitals
My wife's proposal "Let's contribute the money that we saved for the operation of the daughter."



Unexpected words from my daughter's doctor
"Why not put your efforts into researching an artificial heart?"
I and My wife started our personal study in 1978.
We belonged to Research Group on Biomedical Polymers.



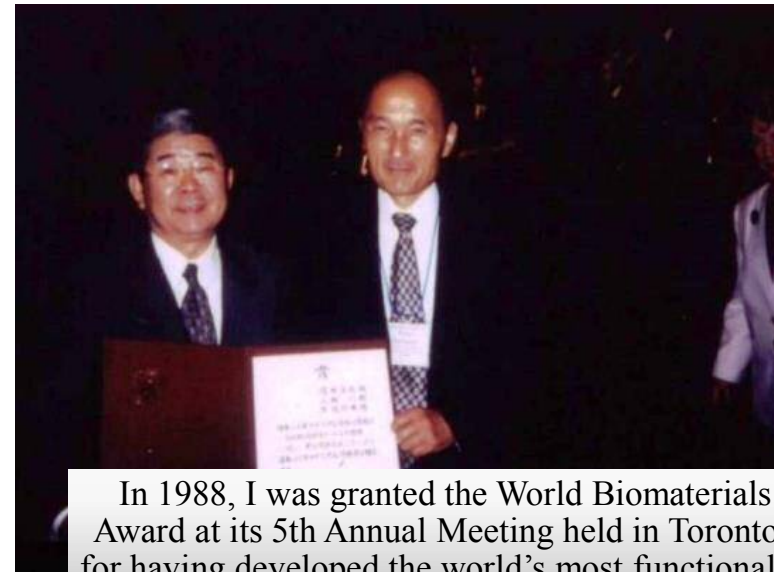
Tokai Medical Products (TMP), founded in 1981
This step gave us a way to obtain research grants from the government and public institutions



The development of artificial heart reached the stage of animal experiments, but in reality it costs more than 10 times (100 billion) to develop a device which is suitable for human use.
We were reluctantly forced to give up the development.



Through cooperation with medical institutions, we successfully developed the first Japan-made IABP Balloon Catheter which was designed for Japanese anatomical characteristics.



In 1988, I was granted the World Biomaterials Society Award at its 5th Annual Meeting held in Toronto, Canada, for having developed the world's most functional and safest IABP Balloon Catheter.

4 TMP IABP saved life of patients again!



Core concept

Save as many lives as possible

Corporate philosophy (Quality policies)

[Raison d'etre] (Our mission in society)

T.M.P.'s mission is to contribute to improve patient's quality of life by developing medical devices which burden the patient as little as possible.

[Management stance] (Management priorities)

Our top priority is quality and reliability
(we place service first, and profits second; safety first, and efficiency second)

[Code of conduct] (Managerial and staff code of conduct and ethics)

To continue to pursue the challenge of new ideas while acting
at the highest ethical level at all times.

2009年10月1日

6 Social Contribution



The 4th Best Technology and New Product Award of a medium and small sized enterprises (1992)



Accreditation of Brand Creator of Nagoya (2004)



Excellent Company Prize of 40th Good Company Award (2007)



Kawasaki disease foundation



NPO HEART PLUS



Association of Kasugai road safety

Individual



Tokugawa Art Museum



Red Cross Society



NPO HEART PLUS



Nagoya University

7 Support for “Yoshimi Memorial T.M.P. Grant”

·Purpose

Japanese Society for Artificial Organs ,with the cooperation of the private enterprise , supports the research fund of a totally new study in Japan which has the possibility to be one of a leading technology in the future.

·Yoshimi Memorial T.M.P. Grant

This grant was named after the second daughter who passed away young



·Yoshimi Memorial T.M.P. Grant Prize winner

1996 :Dr. Anai Hirohumi (Oita univ)

1997 :Dr. Tabayashi Koichi (Tohoku univ)

1998 :Dr. Ito Yoshihiro (Nara sentan kagaku univ)

1999 :Dr. Fukushima Syoji (Kobe gakuin univ) Dr.Oda Teiji (Hamamatsu Rousai HP) Dr. Umino Tomoaki (Tohoku univ)

2000 :Dr. Kawakami Hiroyoshi (Tokyo toritsu univ)

2001 :Dr. Nagaki Masahito (Gifu univ) Dr. Sakata Noriharu (Kumamoto univ) Dr. Konishi Ruriko (Jichiika univ)

2002 :Dr. Haga Yoichi (Tohoku univ) Dr. Yasuda Toshitaka (Tokyo Denki univ)

2003 :Dr. Sakai Hiromi (Waseda univ) Dr. Fujita Yuji

2004 :Dr. Ouchi katsuhiro (Tokyo Ikashika univ) Dr. Murasawa Yusuke (Tsukuba univ)

2005 :Dr. Haniwa Takao (Tokyo Ikashika univ) Dr. Saito Mitsuhiro (Sentan Iryo Zaidan)

2006 :Dr. Okazaki Masayuki (Hiroshima univ) Dr.Matsuzaki Noriya (Tokyo Ikashika univ)

2007 :Dr. Kawahara Toshiyasu (Alberta univ) Dr. Okawa Keiko (Tsukuba univ)

2008 :Dr. Uchimura eiichiro (Osaka univ) Dr. Nishimura Takashi (Tokyo univ)

2009 :Dr. Takewa Yoshiaki (NCVC) Dr. Inoue Yusuke (Tokyo univ)

2010 :Dr. Mizutani Naoki (Mie univ)

2011 :Dr. Kakinoki Sachiro (NCVC) Dr. Hata Norihiko (Tokyo Denki univ)

2012 :Dr. Takei Masahiro (Chiba univ) Dr. Nakata Takaaki (Chiba univ)

2013 :Dr. Iwai Ryosuke (NCVC)

2014 :Dr. Hashimoto Issei (Tokyo Rika univ)

2015 :Dr. Tsuyoshi Kimura (Tokyo Ikashika univ) Dr. Kei Iizuka (NCVC) Dr. Shintaro Hara (Tokyo univ)

2016 :Dr. Nozomi Takahashi (Chiba univ)

8 Tokai Medical Products Profile

Head Office & Factory Kasugai

Factory Machiya (Endotech)

Factory Kozoji

Factory Toki Second

Factory Toki First

Development Center

Factory Philippine

Gifu pref. Toki city

Aichi pref. Kasugai city

Nagoya Headquarter Guest house

Capital : 84 Million yen **Sales** : 3,520 millions (September,2016) **Employee**: About 200 persons
Head Office : Kasugai **Headquarter** : Nagoya
Factory : Kasugai (kasugai , Machiya , Kozoji) Toki (Toki First , Toki Second)
Development Center : Kasugai **Overseas factory**: Phillipine

Sale items / Development

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Infusion Catheter

カテーテルの種類と特徴

- カテーテルの種類
- カテーテルの構造
- カテーテルの用途

IABP balloon catheter

IABPカテーテルの構造と用途

- 大動脈
- IABPカテーテル
- 心臓

Optimo temporary Occlusion Balloon

流量コントロールバルーン (止血)

頭動脈ステント

オプティモ

FC catheter

FCカテーテルの構造と用途

Suture holder

Suture holderの構造と用途

PTCA balloon catheter

冠状動脈

大動脈

大動脈

PTCAバルーンカテーテル

狭窄部にバルーンが閉塞した状態

バルーンを膨らませた状態

上大静脈

大動脈弓

上大静脈

肺動脈

胸管

腹部大動脈

下大静脈

下大静脈

Lock-Balloon Catheter

胸部下行大動脈瘤

腹部大動脈瘤

PED Balloon

①3Fサイズ対応 小児の細い血管にも対応

②短い先端チップ/バルーンシールド 血管や心壁への損傷リスク低減

③滑りにくいバルーン素材 安定した弁拡張

④操作性の向上と目的部位への到達性を追求

経皮的にバルーンカテーテルを挿入し、肺動脈弁輪でバルーンを拡張して弁を再形成する。

ポイント

- ポイント1
- ポイント2
- ポイント3
- ポイント4

PTA balloon catheter

PTAカテーテルの構造と用途

シフト

シフト

Micro catheter

門脈

肝動脈

カテーテル

塞栓物質

抗がん剤

肝臓がん

DOBON

DOBONの構造と用途

Direct Endo Aortic Clamp Balloon

Direct Endo Aortic Clamp Balloonの構造と用途

鉤爪型把捉タイプ

鉤爪型把捉タイプの構造と用途

Bioreactor

Bioreactorの構造と用途

10 PED Balloon Catheter designed for baby of congenital heart disease

TV program broadcasted the story that World's thinnest catheter rescued baby.



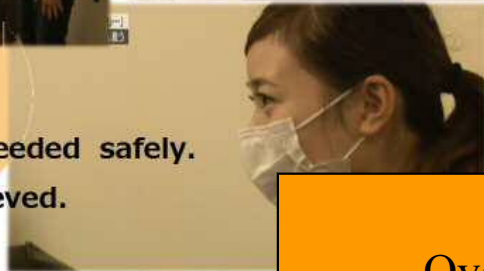
2-month-old baby that a cardiac valve does not function normally.



World's thinnest catheter rescued a small baby.

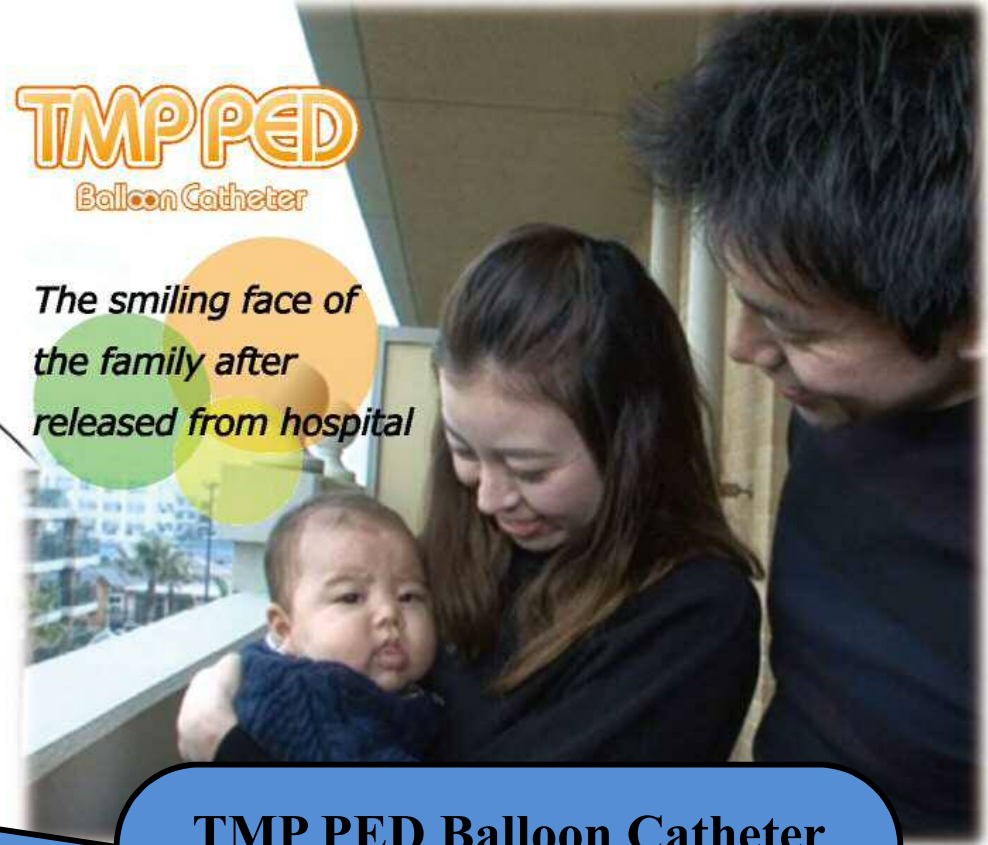


The operation succeeded safely.
The parent was relieved.

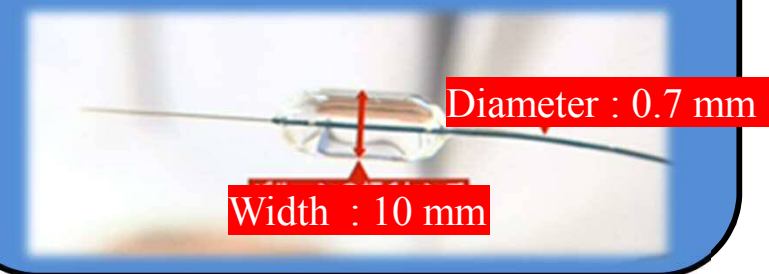


TMP PED
Balloon Catheter

The smiling face of the family after released from hospital



TMP PED Balloon Catheter
World's thinnest catheter rescued a small baby.



In Japan : About 120 cases/ year
Overseas: estimated to be 30 to 40 times more cases
→ Stable supply is possible.



2006 Miracle of Life (CBC TV)
Special Drama of 50th anniversary of launch of TV broadcasting services



2010 Crossing the RUBICON
(TV Tokyo group)
Economic documentary drama



2015 Cambria Palace
(TV Tokyo group)
Special version for 90 minutes on the New Year



2016 World Entrepreneur of the Year
Monaco on June 2016.

Success is achieved through
infinite curiosity,
infinite enthusiasm,
infinite effort,
and infinite friendships.

Set a goal 10 times bigger than
what you can do now.

Thank you for your attention!