



UNDERSTANDING YOUR GENES
Key To Control Diabetes

DProtect™



DIABETIC COMPLICATIONS CAN BE FATAL!

DIABETES is a chronic disease of which **around 30%** of the patients will develop complications within 5 years.

SERIOUS DIABETIC COMPLICATIONS can result in heart failure, kidney failure, blindness, limb amputation or even death.



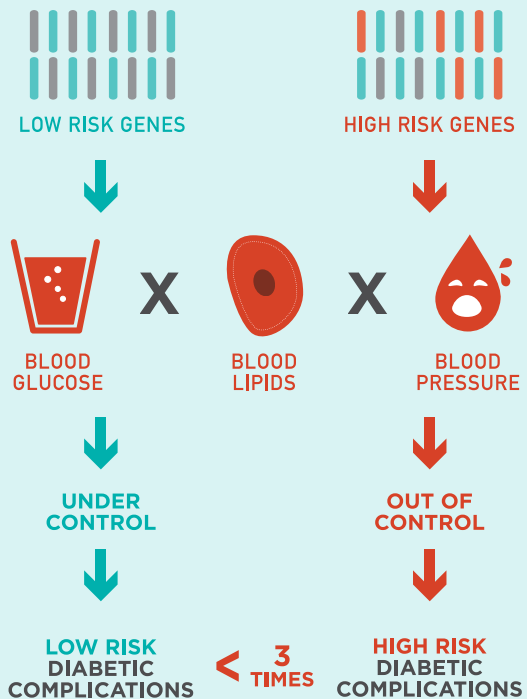
TOP 10 KILLER DISEASES in HK



Reference: Ctr. for Health Protection, Diabetes Mellitus: A Major Public Health Challenge in the 21st Century, 2012.



GENETICS MAY INCREASE RISK OF COMPLICATIONS



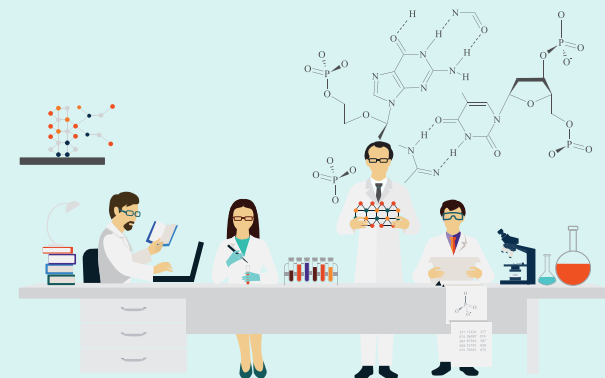
To develop diabetic complications, apart from high risk factors such as hypertension, high blood lipids and high blood glucose level, genetic material also plays an important role.

Research has found that in people having hypertension, high blood lipids and high blood glucose, if they have inherited high-risk genes at the same time, their risk of developing complications may be **up to 3 times** more than people having standard levels of the above parameters and having low-risk genes.

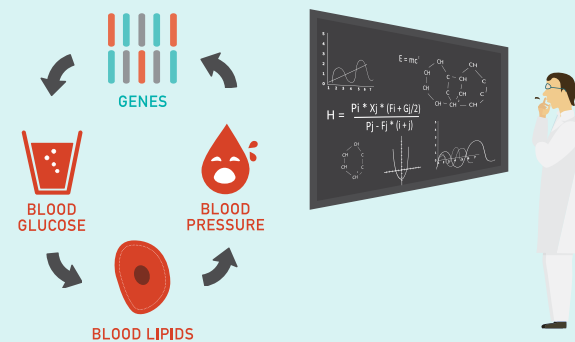
Reference: Zhang JG et al. 9th IDF-WPR and 4th AASD. 2012



AM I AT HIGH RISK?



GemVCare utilizes University-patented technology to assess your own genes.



Together with your current health condition, calculate your **risk index** of developing **diabetic complications** (cardiovascular disease and kidney disease).

ANALYSIS OF TEST RESULTS

TEST PROVIDES

Genetic test results for diabetes and its complications

ASSOCIATED MEANING

How your gene is related to the development of diabetes and its complications

If you possess a high-risk gene of developing diabetes, your family members may also have inherited the relevant gene



TEST PROVIDES

Combining genes and other risk factors to analyze your probability of having diabetic complications within 5 years

ASSOCIATED MEANING

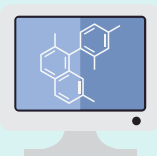
Is my risk of having diabetes relatively higher than the others

Your healthcare team will work out an appropriate strategy to manage and treat your disease according to your risk index.



TEST PROVIDES

Update your risk index



ASSOCIATED MEANING

You will have a target to get involved in managing your own health

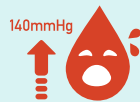


TEST PROVIDES

Impact on your risk of having complications if the number of parameters (diabetic complications control) that are up to standard changes in future (up to 75 years old)

ASSOCIATED MEANING

Through improving risk factors, thereby lowering the risk of developing complications



AM I SUITABLE FOR THE TEST?

DProtect™ is suitable for the following diabetes patients:

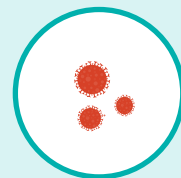
- Have not had any complications yet.
- Have early stage of cardiovascular or kidney complications.
- Have complications other than cardiovascular or kidney diseases

If you do not have diabetes, you or your family members may also choose another genetic test DForesee™ that is specifically designed for predicting diabetes.

Diabetes-related genetic testing is based on the current result of the research done on Chinese and Asians which have lasted for over 20 years on more than 10,000 real cases verified. However, due to racial differences, it may not be applicable to non-Asians.



★ HEALTHY! IT'S EASY!



Our DProtect™ test is **simple and safe**. Only trace amount of your buccal cells or blood (1-2mL) is needed.



Sample will be sent directly to our testing centre for **genetic testing**.



Report will be explained by your health care provider after several working days. You may update your report periodically afterwards.



Genetic test **result is lifelong**. Genes that are tested will not need to be tested again in the future.

OUR PARTNERS



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GemVCare™, your expert in diabetes management.

Advanced genetic testing allows you to have better understanding of your health condition as well as the prevention or treatment of diabetes. Via the easy-to-use mobile platform, you, your family, your friends, and also your medical team can participate in managing your health together and also share the joy of the treatment outcome!



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General Disclaimer:

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As the causes of diabetes and its complications are complex, all related tests require professional interpretation. The Gemomic™ Technology and any other GemVCare services (collectively "Services") shall be used for reference purpose only and not as a substitute for professional medical diagnosis or advice. Users are reminded to seek professional advice and shall rely or make decisions based on the Service at their own risk.

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