Prostate Cancer MRI
Accurate Diagnosis and Treatment

A Prostate Cancer Diagnostic Clinic
Physimed Health Group

PSA to Prostate Imaging
for patients and curious doctors

Samuel Aronson, M.D.  Albert Benhaim M.D.
Franck Bladou, M.D.
Armen Aprikian, M.D. & Marc Emberton, M.D.  Forewords

To read all the educational pamphlets from Prostate Cancer MRI 2016 go to pcamri.com
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Prostate Cancer Diagnostic Clinic

Individual Evaluation Objectives:

- Determining a man’s risk of developing prostate cancer as a serious illness
- Diagnose prostate cancer in men at high risk
- Monitor men at high risk, on active surveillance with cancer or for residual or recurrent cancer after treatment
- MRI local staging of prostate cancer

Risk Assessment (includes some of these criteria)

Selects which patients require an MRI

Age, life expectancy, major illnesses, family-genetic history, race, chemical-medication exposures, previous (UTI, MRI, biopsy, pelvic surgery, radiation), predictor tables, urology exam, rectal exam, urinalysis-culture, PSA, PSA progression, biomarkers, testosterone, renal function, TRUS-PSA density

Prostate MRI

MRI selects men for biopsy and targets where to biopsy

- New remarkable ability to detail image of prostate anatomy, physiology and microvasculature.
- 94% accurate in diagnosing prostate cancer
- Image based diagnosis, treatment and monitoring of prostate cancer which was inaccurate before MRI
- Time consuming for Radiologist and Urologist to learn, interpret and to clinically implement

(Learn more, pamphlets 6 & 7)
MRI Essentials

- Experienced Technician, Radiologist and Urologist
- MRI Request and consent forms
- Patient instructions
- Precise standardized acquisition of the MR Images and reporting
- Ultrasound/MRI images fusion for targeted biopsy
- Multidisciplinary case review

Ultrasound/MRI Fusion Targeted Biopsy

**Transrectal Ultrasound (TRUS)** external anatomy
Provides visualization for needle placement

**MRI** internal structures
Locates, targets the suspicious cancer nodule(s)

- Requires clear, clinically useful MRI reports and DVDs
- TRUS/MRI knowledgeable Urologist
- Pathologists to provide the proof of the presence of cancer

Our Prostate Cancer Diagnostic Team

**Radiologists**
Provide and interpret the MRI to identify the undiagnosed, residual or recurrent cancers.
*Drs. G. Artho, C. Reinhold, J. Taylor*

**Urologist**
Use the MRI to select which men to biopsy, where to biopsy for treatment decisions and monitoring.
*Drs. M. Anidjar, S. Aronson, W. Kassouf*

**Pathologists**
Provide the tissue proof of the presence of cancer
*Dr. L. Begin*
With a thorough Prostate Cancer Risk Assessment, MRI may not be needed.

With a MRI, Biopsy may not be needed.

When biopsy is required, TRUS/MRI fusion targeted is very accurate.

(Learn more Pamphlet 3)