

Prostatic Specific Antigen

Prostatic specific antigen is kalikrein-like serotonine protease. It is organ specific **tumor marker for prostatic cancer**, is produced by secretory epithelial cells .

Normal Value

Normal value is < 4 ng/ml, but with exceptions(!), this value changes with age of man.

AGE	MEDIAN (ng/ml)	Limit value (ng/ml)
40-49	0,7	2,5
50-59	0,9	3,5
60-69	1,4	4,5
>70	1,4	6,5

The value of PSA can be artificially elevated by prostatitis (infection), bicycling, ejaculation, instrumental examination of male urethra or examination of prostate by DRE.^[1]

Possible Characteristics of PSA

- free/total PSA
- PSAD (density) = PSA/body weight
- PSAV (velocity) = increase per 1 year
- PSADT (doubling time)

Links

Related Articles

- Prostatic Carcinoma

Bibliography

- DVOŘÁČEK, Jan. *Karcinom prostaty* [lecture for subject Urology, specialization General Medicine, 1. LF UK Charles University in Prague]. Prague. 2012.

References

1. HANUŠ, Tomáš. *Urologie*. 1. edition. Prague : Triton, 2011. pp. 133. ISBN 978-80-7387-387-5.