

Subject Index

A

absorption, passive 49
acetylcholine 11, 92
adrenergic nerves 21
aetiology of erectile dysfunction 3 ff.
albuginea 11, 38, 74
– tunica 11, 38, 79, 80
 α -adrenergic
– drugs 96
– receptors 92
– tone 11
AMP 22
anabolic drugs 52, 54
anastomosis 63, 64
– spermaticoepigastric 138
androgens 46, 54
anemia, falciform 93
angiodynography 29, 106
– scrotal technique 106
angiography 8
angulation 83
antibiotics 75, 76
antihypertensive drugs 52
antiinflammatory drugs 52, 53
antineoplastic drugs 52, 54
antiulcer drugs 52
aphrodisiac properties 45
arteries
– cavernosal artery 8
– dorsal artery 8
– iliac artery, internal 8
– pudendal artery, internal 8
arteriography 29, 96
arteriosclerosis 4

B

aspiration 96, 97
autonomic nervous system 11
azoospermia 103
balloon catheter 117
blood gas 96
Bucks fascia 85–87
bulbourethral veins 67

C

cAMP 22, 23
cavernosography 68, 81
cavernosometry 14, 15, 29, 69
– pharmaco 14, 15
cavernospongioscopy 97
cavernosum / cavernosal
– artery 8
– corpus cavernosum 8, 21, 30
– veins 67
cavernous pharmacological injections
(CPI) 7, 16, 35, 57 ff.
CDI (color Doppler imaging) 14, 15, 40
cGMP 24
cigarette smoking 8, 22, 23
circumflex veins 67
claudication, intermittent 32
cocaine 45
collagenase 84
contraction 11
corporotomy 86, 87
corpus
– cavernosum 8, 21, 30
– spongiosum 10, 20, 21

- CPI (cavernous pharmacological injections) 7, 16, 35, 57 ff.
 - intracavernosal drug therapy 57 ff.
- curvature 84
- cyanoacrylated 121
- D**
- deep dorsal vein 37, 42
- dermal inlay graft 85
- dermatological drugs 52, 53
- desipramine 86
- detumescence 92 ff., 97
 - mechanism of 92 ff.
- diabetes mellitus 3, 22
 - diabetic microangiopathy 30
- dihydrotestosterone 47, 48
- dopamine 96
- Doppler examination 8, 14–16, 29, 31, 104–110, 114, 124
 - color Doppler imaging (CDI) 14, 15, 40
 - laser Doppler flowmetry (LDF) 29, 31, 32, 35
- dorsal artery 8
- E**
- ectasiae 103
- edema 75, 94
- electrocautery 128
- embolization 96
- emissary veins 38
- ephredrine 96
- epinephrine 96
- erectile dysfunction (ED) / erectile deficiency 58
 - aetiology of 3 ff.
 - arteriogenic 58
 - and hypogonadism, endocrine imbalance 53
 - medical treatment 45 ff.
 - prostaglandins (PGs) 19 ff.
 - surgical treatment 63 ff.
 - vasculogenic, diagnosis 7 ff.
 erection
 - physiopathology of 8
 - prolonged 13, 23, 58
- evening primrose 24
- F**
- falciform anemia 93
- fertility problem 103
- fibrosis 60, 73, 80, 94
- follicle-stimulating hormone (FSH) 103
- Furlow-Fishers* revascularization 65
- G**
- gadolinium 82
- γ-linolenic acid 24
- gastroenterology 52
- gastrointestinal drugs 52
- gastrokinetic drugs 52
- ginseng 45
- gonadotropin, human chorionic (hCG) 47
- H**
- hashish 45
- Hauris* revascularization 65
- hCG (human chorionic gonadotropin) 47
- HLA class II antigens 80
- human chorionic gonadotropin (hCG) 47
- hydraulic prosthesis 71
- hypercapnia 130
- hypercholesterolaemia 23
- hyperlipidemia 22, 23
- hyperprolactinemia 47, 52, 53
- hypertension 3, 22, 51
 - testicular 103
 - venous 103
- hypogonadism 46–48, 53
- hypotensive drugs 51
- hypotrophy 115
- I**
- iliac artery, internal 8
- impotence
 - pathogenesis of 22
 - smokers, impotent 31
 - vasculogenic 19
 - venous leakage and impotence 39
- induratio penis plastica 73, 79

- inflammatory disease 93
 injections
 - cavernous pharmacological injections (CPI) 7, 16, 35, 57 ff.
 - intermittend injections 59
 - intracavernous injection 4, 57
 - self-injections 59
 intracavernosal drug therapy 57 ff.
 iontophoresis 49, 50
 isotope wash-out techniques 29
- L**
 lacunae 67
 lacunar spaces 37
 laparoscopy / laparoscopic treatment 123, 130, 131
 laser Doppler flowmetry (LDF) 29, 31, 32, 35
 libido 46, 52
 ligation 113, 127, 128
 linsidomine 59
 liposolubility 49
 luteinizing hormone (LH) 47
- M**
 magnetic resonance imaging 82, 83
 malleable prosthesis 70
 marihuana 45
 mechanical prosthesis 71
 medical treatment of erectile dysfunction 45 ff.
 mesterolone 47
 microangiopathy, diabetic 30
 microsurgery 123
 - spermatic-epigastric anastomosis 137 ff.
 muscles, smooth muscle 11
 -- trabecular smooth muscle 38, 39
- N**
 necrosis 94
 nephropathy 30
 nervous system, autonomic 11
Nesbit operation 85
 neurotransmitters 11, 92, 94
 - noncholinergic 11
 - noradrenergic 11
 nicotine 8
 nitric oxide (NO) 59
 NO (nitric oxide) 59
 noncholinergic neurotransmitters 11
 noradrenaline 11, 21
 noradrenergic neurotransmitters 11
 norepinephrine 96
 nutcracker phenomenon 141, 142
- O**
 occlusion 65
 oligospermia 106
- P**
 palpation 82
 pampiniform plexus 105
 papaverine 12, 23, 30, 39, 40, 49–51, 57
 passive absorption 49
 PBI (penile brachial pressure index) 14
 peak velocity 108
 penile
 - brachial pressure index (PBI) 14, 31
 - microcirculation
 -- evaluation of 29 ff.
 -- in impotent smokers 31 ff.
 - prosthesis 70
 - skin flux 32
 - venous
 -- anatomy 37 ff.
 -- system, physiology of 38
 -- veno-occlusive dysfunction 14 ff., 30, 69
 penis plastica, induratio 73, 79
 performance anxiety 7
 perineal trauma 93
Peyronies disease 39, 79 ff., 83, 87
 - treatment of 83 ff.
 - and vascular erectile dysfunction 79 ff.
 PGE 58
 PGs (prostaglandins) 19
 - erectile dysfunction 19
 - and normal penile function 20
 - prostaglandine E₁ 12, 40
 - therapeutic use of 23

pharmacology

- cavernous pharmacological injections (CPI) 7, 16, 35, 57 ff.
- medical treatment of erectile dysfunction 45 ff.
- pharmacocavernosometry 14, 15, 39, 40, 81
- phenoxybenzamine 57
- phenotolamine 12
- phenylephrine 96
- phlebogaphy 114, 115
- phlebogram 108
- phlebography 106, 127
- photoplethysmography 14, 29
- plethysmography 14, 29, 31
- plexus, pampiniform 105
- pneumoperitoneum 125
- pneumoscrotum 129
- potassium aminobenzoate 84
- priapism 58, 91 ff.
 - classification 91
 - erectile mechanism 92
 - treatment 95
- prolonged erection 13, 23, 58
- prostaglandins (*see PGs*) 19
- prosthesis / prosthetic therapy 60, 69–75, 81, 87
 - classification of penile prosthesis 70
 - complications 75
 - hydraulic 71
 - malleable 70
 - mechanical 71
 - semirigid 70
 - soft 73
 - surgical techniques 73
- psychogenic 87
- psychotherapeutic drugs 52, 53
- pudendal artery, internal 8

R

- radiotherapy 84
- reflux
 - venous 10
 - renospermatic 116, 117, 120, 130, 137, 141
- relaxation 11

renospermatic reflux 116, 117, 120, 130,

137, 141

reservoir 74, 75**respiration** 108**respiratory depression** 130**response rate** 23**revascularization** 63, 65**rigidity** 13**S****scintigraphy** 106**scleroembolization** 106, 114–117, 120, 121**sclerotherapy** 113 ff., 123, 130, 131, 141, 142

- percutaneous of internal spermic veins 113 ff.

- materials and methods 114

scrotal**angiodynographic technique** 106**ultrasound** 114**self-injections** 59**semen analyses** 114**semirigid prosthesis** 70**shunts** 10, 96, 97

- procedure of 96

sinusoids 15**smoking** 3, 8, 35

- cigarette 8, 22, 23

- impotent smokers 31

smooth muscle 11**sperm morphology** 104**spermatic veins ligation** 123 ff.**videolaparoscopic** 123 ff.**spermaticoepigastric anastomosis**,

microsurgical 137 ff.

spermatogenesis 103, 104**stenosis** 65**steroids** 84**success rate** 66**superficial dorsal vein** 67**surgical treatment** 63 ff.

- of vasculogenic erectile dysfunction 63

systemic treatment effects 51**T****tamoxifen** 84**testicular hyperthermia** 103

-
- testis autotransplantation 137
 - testosterone 46, 47, 53
 - dihydroteststerone 47, 48
 - thrombosis 94
 - tomography 82
 - tourniquet 85
 - trabecular smooth muscle 38, 39
 - transdermal treatment 48
 - trauma, perineal 93
 - trocar, insertion of 125
 - tumescence 13, 38
 - tunica albuginea 11, 38, 79, 80

 - U**
 - ultrasonography 15, 111
 - scrotal ultrasound 114

 - V**
 - Valsalva* maneuver 120
 - Valsalva-Ivanissevich* maneuver 103
 - varicocele 103 ff., 142
 - diagnosis 105
 - extrafunicular, preoperatively 131
 - treatment 137 ff.
 - vasculogenic
 - erectile dysfunction 7 ff.
 - impotence 19
 - vasoactive drugs 4
 - vasodilators 16, 52
 - vasospasm 4, 30

 - vein(s)
 - bulbourethral 67
 - cavernosal 67
 - circumflex 67
 - dorsal
 - deep (DDV) 37, 42, 67
 - superficial 67
 - emissary 38
 - velocity 14
 - venography 114, 117, 128
 - veno-occlusive
 - cavernosal pathology 58
 - failure 87
 - penile dysfunction 14 ff., 30, 69
 - venous
 - hypertension 103
 - leakage 37 ff., 68, 69
 - assessment of 40
 - and impotence 39
 - leak surgery 37
 - reflux 10
 - verapamil 84
 - videolaparoscopic spermatic veins
 - ligation 123 ff.
 - vitamin E 84

 - Y**
 - yohimbine 45, 49