Subject Index

Volume 37, 2015

Contributor index on page 376.

A

A549 cellular morphology
Preprocessing with Photoshop Software on Microscopic Images of A549 Cells in Epithelial-Mesenchymal Transition. (Ren et al), 2015;37:159–168

Abortion, missed
Distribution of Furin, TNF-α, and TGF-β2 in the Endometrium of Missed Abortion and Voluntary First Trimester Termination Cases. (Ozbilgin et al), 2015;37:123–133

Acinar cell carcinoma
Histologic Classification of Prostate Cancer. (Mikuz), 2015;37:39–47

Active surveillance
Role of the Pathologist in Active Surveillance for Prostate Cancer. (Mazzucchelli et al), 2015;37:65–68

Alkaline comet assay
Evaluation of Cytogenetic and Genotoxic Effects of Oxalic Acid by the Alkaline Comet Assay and QRT PCR in Human Buccal Epithelial Cells (Unlu and Saglar), 2015;37:347–352

Alpha-CGRP

Androgens
Morphology of Treatment-related Changes in the Prostate and Prostatic Cancer. (Volavšek), 2015;37:48–56

Angiogenesis inhibitors
Biochemical and Histopathological Investigation of Resveratrol, Gliclazide, and Losartan Protective Effects on Renal Damage in a Diabetic Rat Model. (Ezel et al), 2015;37:187–198

Predictive Factors for Sunitinib Treatment Response in Advanced Renal Cell Carcinoma: Are We Really Making Steps Forward? (Bianconi et al), 2015;37:3–13

Antiandrogen therapy
Morphology of Treatment-related Changes in the Prostate and Prostatic Cancer. (Volavšek), 2015;37:48–56

Antihypertensive agents
Biochemical and Histopathological Investigation of Resveratrol, Gliclazide, and Losartan Protective Effects on Renal Damage in a Diabetic Rat Model. (Ezel et al), 2015;37:187–198

Apoptosis
Trophoblast Cell Proliferation and Apoptosis in Placental Development During Early Gestation Period in Rats. (Erboga and Kanter), 2015;37:286–294

AQCH
Analytical and Quantitative Cytopathology and Histopathology: Three Years Later. (Lopez-Beltran), 2015;37:211–213

Arterial spin labeling

Arterioles
Upregulation of the L-type Calcium Channel in Renin-Positive Smooth Muscle Cells of Arterioles in the Kidneys of Rats with Streptozotocin-Induced Diabetes. (Razga et al), 2015;37:214–220

Arteriosclerosis, coronary
Quantitative Analysis of Rabbit Coronary Atherosclerosis: Practical Techniques Utilizing Open-Source Software. (Zhang et al), 2015;37:115–122

Arteriovenous malformations
Arteriovenous Malformation Masquerading as a

Atherosclerosis, coronary
Quantitative Analysis of Rabbit Coronary Atherosclerosis: Practical Techniques Utilizing Open-Source Software. (Zhang et al), 2015;37:115–122

Atypical adenomatous hyperplasia
Mimickers of Prostate Cancer in Needle Biopsies. (Algaba and Trias), 2015;37:57–64

Avian diseases

AVM

B

Beta-catenin
Impairment and Regeneration of Gastric Mucosa After Irradiation in Mice. (Zeng et al), 2015;37:169–176

Biomarkers
Morphology and Biomarkers in Genitourinary Cancers: Introduction to the Symposium. (Volavšek et al), 2015;37:1–2
Serum Osteopontin Levels Correlate with Clinical and Pathological Features in Non–Small Cell Lung Cancer. (Han et al), 2015;37:295–301

Biphasic tumor

Bisphenol A
Light and Transmission Electron Microscopic Studies on Subacute Toxicity of Bisphenol A on the Rat Ovary. (Saddick), 2015;37:227–234

Bladder

Bladder cancer
Dysplasia and Carcinoma in Situ of the Urinary Bladder. (Lopez-Beltran et al), 2015;37:29–38
Value of Frozen Sections in Uropathology. (Algaba), 2015;37:23–28

Bladder pathology
Morphology and Biomarkers in Genitourinary Cancers: Introduction to the Symposium. (Volavšek et al), 2015;37:1–2

Bone sialoprotein
Serum Osteopontin Levels Correlate with Clinical and Pathological Features in Non–Small Cell Lung Cancer. (Han et al), 2015;37:295–301

BPA
Light and Transmission Electron Microscopic Studies on Subacute Toxicity of Bisphenol A on the Rat Ovary. (Saddick), 2015;37:227–234

BrdU
Impairment and Regeneration of Gastric Mucosa After Irradiation in Mice. (Zeng et al), 2015;37:169–176

Breast cancer
Metastasis Associated in Colon Cancer 1 Predicts Poor Outcomes in Patients with Breast Cancer. (Kim et al), 2015;37:96–104
Morphometric Analysis in the Diagnosis of Low-Grade Ductal and Lobular Carcinoma in Situ of the Breast (Parra-Herran et al), 2015;37:331–338

Breast carcinoma
Metastasis Associated in Colon Cancer 1 Predicts Poor Outcomes in Patients with Breast Cancer. (Kim et al), 2015;37:96–104

Bromodeoxyuridine
Impairment and Regeneration of Gastric Mucosa After Irradiation in Mice. (Zeng et al), 2015;37:169–176

Bromouracil deoxyriboside
Impairment and Regeneration of Gastric Mucosa After Irradiation in Mice. (Zeng et al), 2015;37:169–176

C

C-reactive protein
Predictive Factors for Sunitinib Treatment Response in Advanced Renal Cell Carcinoma:
Are We Really Making Steps Forward? (Bianconi et al), 2015;37:3–13

**Calcitonin gene-related peptide**

**Cancer chemotherapy agents**
Impairment and Regeneration of Gastric Mucosa After Irradiation in Mice. (Zeng et al), 2015;37:169–176

**Cancer staging**
Morphology and Biomarkers in Genitourinary Cancers: Introduction to the Symposium. (Volavšek et al), 2015;37:1–2

Serum Osteopontin Levels Correlate with Clinical and Pathological Features in Non–Small Cell Lung Cancer. (Han et al), 2015;37:295–301


**Cancer treatment protocols**
Predictive Factors for Sunitinib Treatment Response in Advanced Renal-Cell Carcinoma: Are We Really Making Steps Forward? (Bianconi et al), 2015;37:3–13

**Cancer variants**
Histologic Classification of Prostate Cancer. (Mikuz), 2015;37:39–47

**Carcinoma, colloid**

**Carcinoma, mucinous**

**Carcinoma, renal cell**

**Carcinoma, thymic**

**Carcinoma in situ**
Dysplasia and Carcinoma in Situ of the Urinary Bladder. (Lopez-Beltran et al), 2015;37:29–38


Update on the Pathology of Testicular Tumors. (Mikuz), 2015;37:75–85

**Cell proliferation**
Impairment and Regeneration of Gastric Mucosa After Irradiation in Mice. (Zeng et al), 2015;37:169–176

**Cervical cytology**

**Cervical intraepithelial neoplasia**


**Cicatrix, hypertrophic**

**Cigarette smoking**

**Classification**
Histologic Classification of Prostate Cancer. (Mikuz), 2015;37:39–47

**Clear cell renal cell carcinoma**
Clinicopathological Significance of Matrix Metalloproteinase–2 Protein Expression in Renal Cell Carcinoma Patients. (Cheng et al), 2015;37:353–363

**Collision metastasis**

**Color correction according to control tissue images**
Color Correction of Stained Tissue Section Images by Histogram Transfer According to Control Images. (Zengin et al), 2015;37:177–186

**Color normalization**
Color Correction of Stained Tissue Section Images by Histogram Transfer According to Control Images. (Zengin et al), 2015;37:177–186

**Coloring agents**
Color Correction of Stained Tissue Section Im-
Comet assay
Evaluation of Cytogenetic and Genotoxic Effects of Oxalic Acid by the Alkaline Comet Assay and QRT PCR in Human Buccal Epithelial Cells (Unlu and Saglar), 2015;37:347–352

Computer software applications
Preprocessing with Photoshop Software on Microscopic Images of A549 Cells in Epithelial-Mesenchymal Transition. (Ren et al), 2015;37:159–168

Computer-assisted image analysis
Morphometric Analysis in the Diagnosis of Low-Grade Ductal and Lobular Carcinoma in Situ of the Breast (Parra-Herran et al), 2015;37:331–338

Computer-assisted image processing

Core needle biopsy

Coronary arteriosclerosis
Quantitative Analysis of Rabbit Coronary Atherosclerosis: Practical Techniques Utilizing Open-Source Software. (Zhang et al), 2015;37:115–122

Coronary artery disease
Quantitative Analysis of Rabbit Coronary Atherosclerosis: Practical Techniques Utilizing Open-Source Software. (Zhang et al), 2015;37:115–122

Coronary atherosclerosis
Quantitative Analysis of Rabbit Coronary Atherosclerosis: Practical Techniques Utilizing Open-Source Software. (Zhang et al), 2015;37:115–122

Coronary disease
Quantitative Analysis of Rabbit Coronary Atherosclerosis: Practical Techniques Utilizing Open-Source Software. (Zhang et al), 2015;37:115–122

Cox model
Metastasis Associated in Colon Cancer 1 Predicts Poor Outcomes in Patients with Breast Cancer. (Kim et al), 2015;37:96–104

Cytoscopy

Cytodiagnosis
Preprocessing with Photoshop Software on Microscopic Images of A549 Cells in Epithelial-Mesenchymal Transition. (Ren et al), 2015;37:159–168

Cytology
Preprocessing with Photoshop Software on Microscopic Images of A549 Cells in Epithelial-Mesenchymal Transition. (Ren et al), 2015;37:159–168

Cytotoxic serine protease B

D
Dentin
Immunohistochemical and Histopathological Changes in the Teeth of Rats After Lead Acetate Application. (Er et al), 2015;37:109–114

Diabetes
Upregulation of the L-type Calcium Channel in Renin-Positive Smooth Muscle Cells of Arterioles in the Kidneys of Rats with Streptozotocin-Induced Diabetes. (Razga et al), 2015;37:214–220

Diabetes complications
Biochemical and Histopathological Investigation of Resveratrol, Gliclazide, and Losartan Protective Effects on Renal Damage in a Diabetic Rat Model. (Ezel et al), 2015;37:187–198

Diabetes insipidus, nephrogenic
Biochemical and Histopathological Investigation of Resveratrol, Gliclazide, and Losartan Protective Effects on Renal Damage in a Diabetic Rat Model. (Ezel et al), 2015;37:187–198

Diabetes mellitus
Biochemical and Histopathological Investigation of Resveratrol, Gliclazide, and Losartan Pro-
Diabetic kidney disease
Biochemical and Histopathological Investigation of Resveratrol, Gliclazide, and Losartan Protective Effects on Renal Damage in a Diabetic Rat Model. (Ezel et al), 2015;37:187–198
Effect of Resveratrol on Leptin and Sirtuin 2 Expression in the Kidneys in Streptozotocin-induced Diabetic Rats. (Yaylazlı et al), 2015;37:243–251

Diabetic nephropathy
Biochemical and Histopathological Investigation of Resveratrol, Gliclazide, and Losartan Protective Effects on Renal Damage in a Diabetic Rat Model. (Ezel et al), 2015;37:187–198
Effect of Resveratrol on Leptin and Sirtuin 2 Expression in the Kidneys in Streptozotocin-induced Diabetic Rats. (Yaylazlı et al), 2015;37:243–251

Diagnosis
Dysplasia and Carcinoma in Situ of the Urinary Bladder. (Lopez-Beltran et al), 2015;37:29–38
Mimickers of Prostate Cancer in Needle Biopsies. (Algaba and Trias), 2015;37:57–64

Diagnostic imaging
Analytical and Quantitative Cytopathology and Histopathology: Three Years Later. (Lopez-Beltran), 2015;37:211–213

Diagnostic molecular pathology
Analytical and Quantitative Cytopathology and Histopathology: Three Years Later. (Lopez-Beltran), 2015;37:211–213

Differential diagnosis

Digital image analysis
Morphometric Analysis in the Diagnosis of Low-Grade Ductal and Lobular Carcinoma in Situ of the Breast (Parra-Herran et al), 2015;37:331–338

Digital pathology

Diltiazem
Upregulation of the L-type Calcium Channel in Renin-Positive Smooth Muscle Cells of Arterioles in the Kidneys of Rats with Streptozotocin-induced Diabetes. (Razga et al), 2015;37:214–220

Disease classification
Histologic Classification of Prostate Cancer. (Mikuz), 2015;37:39–47

Disease-free survival
Metastasis Associated in Colon Cancer 1 Predicts Poor Outcomes in Patients with Breast Cancer. (Kim et al), 2015;37:96–104

DNA damage
Evaluation of Cytogenetic and Genotoxic Effects of Oxalic Acid by the Alkaline Comet Assay and QRT PCR in Human Buccal Epithelial Cells (Unlu and Saglar), 2015;37:347–352

Ductal carcinoma in situ
Morphometric Analysis in the Diagnosis of Low-Grade Ductal and Lobular Carcinoma in Situ of the Breast (Parra-Herran et al), 2015;37:331–338

Dysplasia
Dysplasia and Carcinoma in Situ of the Urinary Bladder. (Lopez-Beltran et al), 2015;37:29–38

E-cadherin
Effects of *Potentilla fulgens* as a Prophylactic Agent for Ischemia/Reperfusion Injury in the Rat Ovary. (Togrul et al), 2015;37:310–316
Morphometric Analysis in the Diagnosis of Low-Grade Ductal and Lobular Carcinoma in Situ of the Breast (Parra-Herran et al), 2015;37:331–338

E-cadherin antibodies

Embryonic development
Trophoblast Cell Proliferation and Apoptosis in Placental Development During Early Gestation.
tion Period in Rats. (Erboga and Kanter), 2015; 37:286–294

**Endocrine disruptors**
Light and Transmission Electron Microscopic Studies on Subacute Toxicity of Bisphenol A on the Rat Ovary. (Saddick), 2015;37:227–234

**Epidemiology**
Update on the Pathology of Testicular Tumors. (Mikuz), 2015;37:75–85

**Epidermal growth factor receptor (EGFR)**

**Epithelial-mesenchymal transition**
Preprocessing with Photoshop Software on Microscopic Images of A549 Cells in Epithelial-Mesenchymal Transition. (Ren et al), 2015;37:159–168

**Epoxy resins**
Light and Transmission Electron Microscopic Studies on Subacute Toxicity of Bisphenol A on the Rat Ovary. (Saddick), 2015;37:227–234

**Exfoliative cytology**

**Fetal development**
Effect of Tunicamycin on Glycosaminoglycans and Laminins in Embryonic and Postnatal Thymic Tissues. (Balcan and Arslan), 2015;37:252–266

**Fibroepithelial polyps**
Rare Entities in Urinary Bladder Pathology. (Lopez-Beltran et al), 2015;37:14–22

**FK506-binding protein 52**
Expression of 52-kDa FK506-Binding Protein (FKBP52) in Human Placenta Complicated by Preeclampsia and Intrauterine Growth Restriction. (Acar and Ustunel), 2015;37:87–95

**Follow-up studies**

**Frozen sections**
Testicular Nodules Suspected for Malignancy: Does the Pathologist Make the Difference for Organ-Sparing Surgery? (Fabiani et al), 2015;37:147–152

Value of Frozen Sections in Uropathology. (Algaeb), 2015;37:23–28

**Furin**
Distribution of Furin, TNF-α, and TGF-β2 in the Endometrium of Missed Abortion and Voluntary First Trimester Termination Cases. (Ozbekgin et al), 2015;37:123–133

**Gastric mucosa**
Impairment and Regeneration of Gastric Mucosa After Irradiation in Mice. (Zeng et al), 2015;37:169–176

**Gel electrophoresis, single-cell**
Evaluation of Cytogenetic and Genotoxic Effects of Oxalic Acid by the Alkaline Comet Assay and QRT PCR in Human Buccal Epithelial Cells (Unlu and Saglar), 2015;37:347–352

**Germ cells**
Update on the Pathology of Testicular Tumors. (Mikuz), 2015;37:75–85

**Gleason grading**
Histologic Classification of Prostate Cancer. (Mikuz), 2015;37:39–47


**Glia cell tumors**

**Gliclazide**
Biochemical and Histopathological Investigation of Resveratrol, Gliclazide, and Losartan Protective Effects on Renal Damage in a Diabetic Rat Model. (Ezel et al), 2015;37:187–198

**Glioblastoma**

**Glycoprotein GP-2**
Effect of Tunicamycin on Glycosaminoglycans and Laminins in Embryonic and Postnatal Thymic Tissues. (Balcan and Arslan), 2015;37:252–266

**Glycosaminoglycans**
Effect of Tunicamycin on Glycosaminoglycans and Laminins in Embryonic and Postnatal Thymic Tissues. (Balcan and Arslan), 2015;37:252–266

**Gonadal stroma**
Update on the Pathology of Testicular Tumors. (Mikuz), 2015;37:75–85
Granulosa cells
Light and Transmission Electron Microscopic Studies on Subacute Toxicity of Bisphenol A on the Rat Ovary. (Saddick), 2015;37:227–234

Granzyyme B

H
Hamartoma
Rare Entities in Urinary Bladder Pathology. (Lopez-Beltran et al), 2015;37:14–22

Heat-shock protein
Expression of 52-kDa FK506-Binding Protein (FKBP52) in Human Placenta Complicated by Preeclampsia and Intrauterine Growth Restriction. (Acar and Ustunel), 2015;37:87–95

Histiocytosis, sinus
Extranodal (Dural) Rosai-Dorfman Disease Radiologically and Histologically Mimicking Meningioma: A Case Report. (Nassif and Boulou), 2015;37:144–146

Histogram transfer
Color Correction of Stained Tissue Section Images by Histogram Transfer According to Control Images. (Zengin et al), 2015;37:177–186

Histologic grade
Serum Osteopontin Levels Correlate with Clinical and Pathological Features in Non-Small Cell Lung Cancer. (Han et al), 2015;37:295–301

Histological features

Histological labeling
Color Correction of Stained Tissue Section Images by Histogram Transfer According to Control Images. (Zengin et al), 2015;37:177–186

Histopathology
Analytical and Quantitative Cytopathology and Histopathology: Three Years Later. (Lopez-Beltran), 2015;37:211–213
Color Correction of Stained Tissue Section Images by Histogram Transfer According to Control Images. (Zengin et al), 2015;37:177–186
High Proportion of Nuclear Phenotype Identifies Aggressive Cutaneous Squamous Cell Carcinoma. (Glazer et al), 2015;37:302–309

HIV

HSIL, high-grade squamous intraepithelial lesions

Human immunodeficiency virus

Human papillomavirus

Human placenta
Expression of 52-kDa FK506-Binding Protein (FKBP52) in Human Placenta Complicated by Preeclampsia and Intrauterine Growth Restriction. (Acar and Ustunel), 2015;37:87–95

Hydronephrosis

Hypertrophic scar

Hypoglycemic agents
Biochemical and Histopathological Investigation of Resveratrol, Gliclazide, and Losartan Protective Effects on Renal Damage in a Diabetic Rat Model. (Ezel et al), 2015;37:187–198

Image analysis, computer-assisted
Analytical and Quantitative Cytopathology and Histopathology: Three Years Later. (Lopez-Beltran), 2015;37:211–213
Quantitative Analysis of Rabbit Coronary Ath-
erosclerosis: Practical Techniques Utilizing Open-Source Software. (Zhang et al), 2015;37:115–122

Image processing

Immunocytochemistry
Analytical and Quantitative Cytopathology and Histopathology: Three Years Later. (Lopez-Beltran), 2015;37:211–213

Immunohistochemistry
Analytical and Quantitative Cytopathology and Histopathology: Three Years Later. (Lopez-Beltran), 2015;37:211–213
Morphology and Biomarkers in Genitourinary Cancers: Introduction to the Symposium. (Volavšek et al), 2015;37:1–2
Quantitative Analysis of Rabbit Coronary Atherosclerosis: Practical Techniques Utilizing Open-Source Software. (Zhang et al), 2015;37:115–122
Role of the Pathologist in Active Surveillance for Prostate Cancer. (Mazzucchelli et al), 2015;37:65–68

Inflammatory myofibroblastic tumor
Rare Entities in Urinary Bladder Pathology. (Lopez-Beltran et al), 2015;37:14–22

Informatics

Intracellular neoplasia
Dysplasia and Carcinoma in Situ of the Urinary Bladder. (Lopez-Beltran et al), 2015;37:29–38

Intrauterine growth restriction
Expression of 52-kDa FK506-Binding Protein (FKBP52) in Human Placenta Complicated by Preeclampsia and Intrauterine Growth Restriction. (Acar and Ustunel), 2015;37:87–95

Involucrin

Ionizing radiation
Impairment and Regeneration of Gastric Mucosa After Irradiation in Mice. (Zeng et al), 2015;37:169–176

Irradiation
Impairment and Regeneration of Gastric Mucosa After Irradiation in Mice. (Zeng et al), 2015;37:169–176

Ischemia-reperfusion injury
Effects of Potentilla fulgens as a Prophylactic Agent for Ischemia/Reperfusion Injury in the Rat Ovary. (Togrul et al), 2015;37:310–316

K

Karyometric image analysis
High Proportion of Nuclear Phenotype Identifies Aggressive Cutaneous Squamous Cell Carcinoma. (Glazer et al), 2015;37:302–309

Keloid

Kidney
Clinicopathological Significance of Matrix Metalloproteinase-2 Protein Expression in Renal Cell Carcinoma Patients. (Cheng et al), 2015;37:353–363
Upregulation of the L-type Calcium Channel in Renin-Positive Smooth Muscle Cells of Arterioles in the Kidneys of Rats with Streptozotocin-Induced Diabetes. (Razga et al), 2015;37:214–220

L-type calcium channel
Upregulation of the L-type Calcium Channel in Renin-Positive Smooth Muscle Cells of Arterioles in the Kidneys of Rats with Streptozotocin-Induced Diabetes. (Razga et al), 2015;37:214–220

Laminin
Effect of Tunicamycin on Glycosaminoglycans and Laminins in Embryonic and Postnatal Thymic Tissues. (Balcan and Arslan), 2015;37:252–266

Lead poisoning
Immunohistochemical and Histopathological Changes in the Teeth of Rats After Lead Acetate Application. (Er et al), 2015;37:109–114

LEEP

Lymph node excision

Lymph node metastasis
Serum Osteopontin Levels Correlate with Clinical and Pathological Features in Non–Small Cell Lung Cancer. (Han et al), 2015;37:295–301

Lymphoma

Littré glands

Lobular carcinoma in situ
Morphometric Analysis in the Diagnosis of Low-Grade Ductal and Lobular Carcinoma in Situ of the Breast (Parra-Herran et al), 2015;37:331–338

Loop electrosurgical excision procedure

Losartan
Biochemical and Histopathological Investigation of Resveratrol, Gliclazide, and Losartan Protective Effects on Renal Damage in a Diabetic Rat Model. (Ezel et al), 2015;37:187–198

LSIL-H

Lymphadenectomy

M

MACC1 protein, human
Metastasis Associated in Colon Cancer 1 Predicts Poor Outcomes in Patients with Breast Cancer. (Kim et al), 2015;37:96–104

Machine learning
**Male genitourinary diseases**
Morphology and Biomarkers in Genitourinary Cancers: Introduction to the Symposium. (Volavšek et al), 2015;37:1–2

**Male urethra**

**Male urogenital diseases**
Morphology and Biomarkers in Genitourinary Cancers: Introduction to the Symposium. (Volavšek et al), 2015;37:1–2

**Malignant primary brain tumors**

**MAP kinase signaling system**
Metastasis Associated in Colon Cancer 1 Predicts Poor Outcomes in Patients with Breast Cancer. (Kim et al), 2015;37:96–104

**Matrix metalloproteinase 2**
Clinicopathological Significance of Matrix Metalloproteinase–2 Protein Expression in Renal Cell Carcinoma Patients. (Cheng et al), 2015;37:353–363

**Medicine in literature**

**Meningothelial proliferation**
Extranodal (Dural) Rosai-Dorfman Disease Radiologically and Histologically Mimicking Meningioma: A Case Report. (Nassif and Boulos), 2015;37:144–146

**Meta-analysis**
Serum Osteopontin Levels Correlate with Clinical and Pathological Features in Non–Small Cell Lung Cancer. (Han et al), 2015;37:295–301

**Morphology**
Morphology of Treatment-related Changes in the Prostate and Prostatic Cancer. (Volavšek), 2015;37:48–56

**Morphometry**

**Microscopic image**

**Microscopic lesion**
Quantitative Analysis of Rabbit Coronary Atherosclerosis: Practical Techniques Utilizing Open-Source Software. (Zhang et al), 2015;37:159–168

**Mixed epithelial and stromal tumor**

**MMP-2 metalloproteinase**
Clinicopathological Significance of Matrix Metalloproteinase–2 Protein Expression in Renal Cell Carcinoma Patients. (Cheng et al), 2015;37:353–363

**Morphological and microscopic findings**

**Micropapillary carcinoma**
Rare Entities in Urinary Bladder Pathology. (Lopez-Beltran et al), 2015;37:159–168
of the Breast (Parra-Herran et al), 2015;37:331–338

Mucinous adenocarcinoma

Mucinous Adenocarcinoma

Needle biopsy

Neoplasm metastasis
High Proportion of Nuclear Phenotype Identifies Aggressive Cutaneous Squamous Cell Carcinoma. (Glazer et al), 2015;37:302–309

Neoplasm staging
Serum Osteopontin Levels Correlate with Clinical and Pathological Features in Non–Small Cell Lung Cancer. (Han et al), 2015;37:295–301

Nephrectomy

Nested carcinoma
Rare Entities in Urinary Bladder Pathology. (Lopez-Beltran et al), 2015;37:14–22

Neutrophils
Predictive Factors for Sunitinib Treatment Response in Advanced Renal Cell Carcinoma: Are We Really Making Steps Forward? (Bianconi et al), 2015;37:8–13

Nicotine

Nifedipine
Upregulation of the L-type Calcium Channel in Renin-Positive Smooth Muscle Cells of Arterioles in the Kidneys of Rats with Streptozotocin-Induced Diabetes. (Razga et al), 2015;37:214–220

Non-small cell lung cancer
Serum Osteopontin Levels Correlate with Clinical and Pathological Features in Non–Small Cell Lung Cancer. (Han et al), 2015;37:295–301

Nosologic entities
Histologic Classification of Prostate Cancer. (Mikuz), 2015;37:39–47

Nuclear chromatin pattern
High Proportion of Nuclear Phenotype Identifies Aggressive Cutaneous Squamous Cell Carcinoma. (Glazer et al), 2015;37:302–309

Odontoblasts
Immunohistochemical and Histopathological Changes in the Teeth of Rats After Lead Acetate Application. (Er et al), 2015;37:109–114

Oral cytopathology

Organ donors
Value of Frozen Sections in Uropathology. (Algba), 2015;37:23–28

Organogenesis
Effect of Tunicamycin on Glycosaminoglycans and Laminins in Embryonic and Postnatal Thymic Tissues. (Balcan and Arslan), 2015;37:252–266

Osteopontin
Serum Osteopontin Levels Correlate with Clinical and Pathological Features in Non–Small Cell Lung Cancer. (Han et al), 2015;37:295–301

Ovarian torsion
Effects of Potentilla fulgens as a Prophylactic Agent for Ischemia/Reperfusion Injury in the Rat Ovary. (Togrul et al), 2015;37:310–316

Ovary
Effects of Potentilla fulgens as a Prophylactic Agent for Ischemia/Reperfusion Injury in the Rat Ovary. (Togrul et al), 2015;37:310–316

Oxalic acid
Evaluation of Cytogenetic and Genotoxic Effects of Oxalic Acid by the Alkaline Comet Assay and QRT PCR in Human Buccal Epithelial Cells (Unlu and Saglar), 2015;37:347–352

Pagetoid spread
Extravesical Pagetoid Spread of Urothelial Car-

Pathogenesis

Pathology
Analytical and Quantitative Cytopathology and Histopathology: Three Years Later. (Lopez-Beltran), 2015;37:211–213
Dysplasia and Carcinoma in Situ of the Urinary Bladder. (Lopez-Beltran et al), 2015;37:29–38

Pathology, molecular
Analytical and Quantitative Cytopathology and Histopathology: Three Years Later. (Lopez-Beltran), 2015;37:211–213

PCNA
Trophoblast Cell Proliferation and Apoptosis in Placental Development During Early Gestation Period in Rats. (Erboga and Kanter), 2015;37:286–294

Penile cancer
Value of Frozen Sections in Uropathology. (Algaba), 2015;37:23–28

Photoshop software
Preprocessing with Photoshop Software on Microscopic Images of A549 Cells in Epithelial-Mesenchymal Transition. (Ren et al), 2015;37:159–168

Placenta
Expression of 52-kDa FK506-Binding Protein (FKBP52) in Human Placenta Complicated by Preeclampsia and Intrauterine Growth Restriction. (Acar and Ustunel), 2015;37:87–95

Placental development
Trophoblast Cell Proliferation and Apoptosis in Placental Development During Early Gestation Period in Rats. (Erboga and Kanter), 2015;37:286–294

Plastics
Light and Transmission Electron Microscopic Studies on Subacute Toxicity of Bisphenol A on the Rat Ovary. (Saddick), 2015;37:227–234

Polyps
Rare Entities in Urinary Bladder Pathology. (Lopez-Beltran et al), 2015;37:14–22

Polystyrene
Light and Transmission Electron Microscopic Studies on Subacute Toxicity of Bisphenol A on the Rat Ovary. (Saddick), 2015;37:227–234

Postimplantation embryonic development

Preeclampsia
Expression of 52-kDa FK506-Binding Protein (FKBP52) in Human Placenta Complicated by Preeclampsia and Intrauterine Growth Restriction. (Acar and Ustunel), 2015;37:87–95

Prognosis
Metastasis Associated in Colon Cancer 1 Predicts Poor Outcomes in Patients with Breast Cancer. (Kim et al), 2015;37:96–104

Proliferating cell nuclear antigen
Trophoblast Cell Proliferation and Apoptosis in Placental Development During Early Gestation Period in Rats. (Erboga and Kanter), 2015;37:286–294

Proportional hazards models
Metastasis Associated in Colon Cancer 1 Predicts Poor Outcomes in Patients with Breast Cancer. (Kim et al), 2015;37:96–104

Prostate
Mimickers of Prostate Cancer in Needle Biopsies. (Algaba and Trias), 2015;37:57–64
Morphology of Treatment-related Changes in the Prostate and Prostatic Cancer. (Volavšek), 2015;37:48–56
Rare Entities in Urinary Bladder Pathology. (Lopez-Beltran et al), 2015;37:14–22

Prostate cancer
Histologic Classification of Prostate Cancer. (Mikuz), 2015;37:39–47
Mimickers of Prostate Cancer in Needle Biopsies. (Algaba and Trias), 2015;37:57–64
Morphology and Biomarkers in Genitourinary Cancers: Introduction to the Symposium. (Volavšek et al), 2015;37:1–2
Morphology of Treatment-related Changes in the Prostate and Prostatic Cancer. (Volavšek), 2015;37:48–56
Role of the Pathologist in Active Surveillance for Prostate Cancer. (Mazzucchelli et al), 2015;37:65–68
Prostate-specific antigen

Prostatic duct

Prostatic urethra

Protein expression
Clinicopathological Significance of Matrix Metalloproteinase–2 Protein Expression in Renal Cell Carcinoma Patients. (Cheng et al), 2015; 37:353–363

qRT-PCR
Evaluation of Cytogenetic and Genotoxic Effects of Oxalic Acid by the Alkaline Comet Assay and QRT PCR in Human Buccal Epithelial Cells (Unlu and Saglar), 2015; 37:347–352

Quantitative histopathology
High Proportion of Nuclear Phenotype Identifies Aggressive Cutaneous Squamous Cell Carcinoma. (Glazer et al), 2015; 37:302–309

Radiotherapy
Morphology of Treatment-related Changes in the Prostate and Prostatic Cancer. (Volavšek), 2015; 37:48–56

Reactive atypia
Dysplasia and Carcinoma in Situ of the Urinary Bladder. (Lopez-Beltran et al), 2015; 37:29–38

Receptors, TGF-beta
Distribution of Furin, TNF-α, and TGF-β2 in the Endometrium of Missed Abortion and Voluntary First Trimester Termination Cases. (Ozgilgin et al), 2015; 37:123–133

Renal cell carcinoma
Clinicopathological Significance of Matrix Metalloproteinase–2 Protein Expression in Renal Cell Carcinoma Patients. (Cheng et al), 2015; 37:353–363
Predictive Factors for Sunitinib Treatment Response in Advanced Renal Cell Carcinoma: Are We Really Making Steps Forward? (Bianconi et al), 2015; 37:3–13
Value of Frozen Sections in Uropathology. (Algaba), 2015; 37:23–28

Reperfusion injury
Effects of Potentilla fulgens as a Prophylactic Agent for Ischemia/Reperfusion Injury in the Rat Ovary. (Togrul et al), 2015; 37:310–316

Resveratrol
Biochemical and Histopathological Investigation of Resveratrol, Gliclazide, and Losartan Protective Effects on Renal Damage in a Diabetic Rat Model. (Ezel et al), 2015; 37:187–198
Effect of Resveratrol on Leptin and Sirtuin 2 Expression in the Kidneys in Streptozotocin-induced Diabetic Rats. (Yaylali et al), 2015; 37:243–251

Reverse transcriptase polymerase chain reaction
Evaluation of Cytogenetic and Genotoxic Effects of Oxalic Acid by the Alkaline Comet Assay and QRT PCR in Human Buccal Epithelial Cells (Unlu and Saglar), 2015; 37:347–352

Rosai-Dorfman disease
Extranodal (Dural) Rosai-Dorfman Disease Radiologically and Histologically Mimicking Meningioma: A Case Report. (Nassif and Boulos), 2015; 37:144–146

Scars, hypertrophic

Sclerosing adenosis
Mimickers of Prostate Cancer in Needle Biopsies. (Algaba and Trias), 2015; 37:57–64

Secreted phosphoprotein 1
Serum Osteopontin Levels Correlate with Clinical and Pathological Features in Non–Small Cell Lung Cancer. (Han et al), 2015; 37:295–301

Seminal vesicles
Extravesical Pagetoid Spread of Urothelial Car-

Sialoprotein 1
Serum Osteopontin Levels Correlate with Clinical and Pathological Features in Non–Small Cell Lung Cancer. (Han et al), 2015;37:295–310

Single-cell analysis
Evaluation of Cytogenetic and Genotoxic Effects of Oxalic Acid by the Alkaline Comet Assay and QRT PCR in Human Buccal Epithelial Cells (Unlu and Saglar), 2015;37:347–352

Sirtuin 2
Effect of Resveratrol on Leptin and Sirtuin 2 Expression in the Kidneys in Streptozotocin-induced Diabetic Rats. (Yaylalı et al), 2015;37:243–251

Skin cancer
High Proportion of Nuclear Phenotype Identifies Aggressive Cutaneous Squamous Cell Carcinoma. (Glazer et al), 2015;37:302–309

Small cell carcinoma
Rare Entities in Urinary Bladder Pathology. (Lopez-Beltran et al), 2015;37:14–22

Smoking

Squamous cell carcinoma
High Proportion of Nuclear Phenotype Identifies Aggressive Cutaneous Squamous Cell Carcinoma. (Glazer et al), 2015;37:302–309

Squamous intraepithelial lesions of the cervix

Staining
Color Correction of Stained Tissue Section Images by Histogram Transfer According to Control Images. (Zengin et al), 2015;37:177–186

Stereology
Upregulation of the L-type Calcium Channel in Renin-Positive Smooth Muscle Cells of Arterioles in the Kidneys of Rats with Streptozotocin-Induced Diabetes. (Razga et al), 2015;37:214–220

Stomach
Impairment and Regeneration of Gastric Mucosa After Irradiation in Mice. (Zeng et al), 2015;37:169–176

Submandibular gland

Sunitinib
Predictive Factors for Sunitinib Treatment Response in Advanced Renal Cell Carcinoma: Are We Really Making Steps Forward? (Bianconi et al), 2015;37:3–13

Survival analysis
Metastasis Associated in Colon Cancer 1 Predicts Poor Outcomes in Patients with Breast Cancer. (Kim et al), 2015;37:96–104

Tamm-Horsfall glycoprotein

Teeth
Immunohistochemical and Histopathological Changes in the Teeth of Rats After Lead Acetate Application. (Er et al), 2015;37:109–114

Telepathology
Analytical and Quantitative Cytopathology and Histopathology: Three Years Later. (Lopez-Beltran), 2015;37:211–213

Testicular cancer
Testicular Nodules Suspected for Malignancy: Does the Pathologist Make the Difference for Organ-Sparing Surgery? (Fabiani et al), 2015;37:147–152

Testicular nodules
Testicular Nodules Suspected for Malignancy: Does the Pathologist Make the Difference for Organ-Sparing Surgery? (Fabiani et al), 2015;37:147–152

Testicular tumors
Morphology and Biomarkers in Genitourinary Cancers: Introduction to the Symposium. (Volavsek et al), 2015;37:1–2

Testicular-sparing surgery
Testicular Nodules Suspected for Malignancy:
Does the Pathologist Make the Difference for Organ-Sparing Surgery? (Fabiani et al), 2015; 37:147–152

**TGF-beta receptor**
Distribution of Furin, TNF-α, and TGF-β2 in the Endometrium of Missed Abortion and Voluntary First Trimester Termination Cases. (Ozbilgin et al), 2015; 37:123–133

**Thymoma**

**Thymus gland**


**Tissue stains**
Color Correction of Stained Tissue Section Images by Histogram Transfer According to Control Images. (Zengin et al), 2015; 37:177–186

**TNF-alpha**
Distribution of Furin, TNF-α, and TGF-β2 in the Endometrium of Missed Abortion and Voluntary First Trimester Termination Cases. (Ozbilgin et al), 2015; 37:123–133

**TNM staging**
Serum Osteopontin Levels Correlate with Clinical and Pathological Features in Non–Small Cell Lung Cancer. (Han et al), 2015; 37:295–301

Tooth
Immunohistochemical and Histopathological Changes in the Teeth of Rats After Lead Acetate Application. (Er et al), 2015; 37:109–114

**Toxicity**
Light and Transmission Electron Microscopic Studies on Subacute Toxicity of Bisphenol A on the Rat Ovary. (Saddick), 2015; 37:227–234

**Transforming growth factor beta receptor**
Distribution of Furin, TNF-α, and TGF-β2 in the Endometrium of Missed Abortion and Voluntary First Trimester Termination Cases. (Ozbilgin et al), 2015; 37:123–133

**Trophoblast**
Trophoblast Cell Proliferation and Apoptosis in Placental Development During Early Gestation Period in Rats. (Erboga and Kanter), 2015; 37:286–294

**Tumor classification**

**Tumor extent**
Role of the Pathologist in Active Surveillance for Prostate Cancer. (Mazzucchelli et al), 2015; 37:65–68

**Tumor markers**
Predictive Factors for Sunitinib Treatment Response in Advanced Renal Cell Carcinoma: Are We Really Making Steps Forward? (Bianconi et al), 2015; 37:3–13

Serum Osteopontin Levels Correlate with Clinical and Pathological Features in Non–Small Cell Lung Cancer. (Han et al), 2015; 37:295–301

**Tumor necrosis factor**
Distribution of Furin, TNF-α, and TGF-β2 in the Endometrium of Missed Abortion and Voluntary First Trimester Termination Cases. (Ozbilgin et al), 2015; 37:123–133

**Tumour classification**
Serum Osteopontin Levels Correlate with Clinical and Pathological Features in Non–Small Cell Lung Cancer. (Han et al), 2015; 37:295–301

**Tunicamycin**
Effect of Tunicamycin on Glycosaminoglycans and Laminins in Embryonic and Postnatal Thymic Tissues. (Balcan and Arslan), 2015; 37:252–266

**U**

**Undifferentiated carcinoma**
Rare Entities in Urinary Bladder Pathology. (Lopez-Beltran et al), 2015; 37:14–22

**Urachus**

**Ureter**
## Subject Index

### Urinary bladder

- Dysplasia and Carcinoma in Situ of the Urinary Bladder. (Lopez-Beltran et al), 2015;37:29–38
- Rare Entities in Urinary Bladder Pathology. (Lopez-Beltran et al), 2015;37:14–22
- Value of Frozen Sections in Uropathology. (Alga-ba), 2015;37:23–28

### Urine


### Urologic pathology

- Analytical and Quantitative Cytopathology and Histopathology: Three Years Later. (Lopez-Beltran), 2015;37:211–213

### Uromodulin


### Uropathology

- Morphology and Biomarkers in Genitourinary Cancers: Introduction to the Symposium. (Volavšek et al), 2015;37:1–2

### Uropontin

- Serum Osteopontin Levels Correlate with Clinical and Pathological Features in Non–Small Cell Lung Cancer. (Han et al), 2015;37:295–301

### Urothelial carcinoma

- Histologic Classification of Prostate Cancer. (Mikuz), 2015;37:39–47
- Rare Entities in Urinary Bladder Pathology. (Lopez-Beltran et al), 2015;37:14–22

### Vagina


### Vascular endothelial growth factor

- Effects of Potentilla fulgens as a Prophylactic Agent for Ischemia/Reperfusion Injury in the Rat Ovary. (Togrul et al), 2015;37:310–316

### Vascular lesions


### VEGF

- Effects of Potentilla fulgens as a Prophylactic Agent for Ischemia/Reperfusion Injury in the Rat Ovary. (Togrul et al), 2015;37:310–316

### Vimentin


### Zinc-dependent endopeptidases

- Clinicopathological Significance of Matrix Metalloproteinase–2 Protein Expression in Renal Cell Carcinoma Patients. (Cheng et al), 2015;37:353–363