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. (Volavskek), 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;37:5–13

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**

**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

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

**Brain tumor**

**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-
ages by Histogram Transfer According to Control Images. (Zengin et al), 2015;37:177–186

**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

**Coronary heart 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

**Cystoscopy**

**Cyto diagnosis**
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

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

**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-
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**


**F**

**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. (Alga-ba), 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. (Ozbilgin et al), 2015;37:123–133

**G**

**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


**Glioblastoma**


**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

**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

Granzyme B

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 Boulos), 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

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

Intraurothelial 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

Lymph nodes


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

Lymphadenectomy

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

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

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

Micronodular thymoma

Micropapillary carcinoma
Rare Entities in Urinary Bladder Pathology. (Lopez-Beltran et al), 2015;37:159–168

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

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

Morphometry

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

Morphometry

Morphometric Analysis in the Diagnosis of Low-Grade Ductal and Lobular Carcinoma in Situ
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

Nestled 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; 37:13–18

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

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 cytology

Organ donors
Value of Frozen Sections in Uropathology. (Algaiba), 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 Carcinoma (Parra-Herran et al), 2015; 37:331–338

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

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

**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

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


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. (Ozbilgin 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;37:295–301

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

**Testicular tumors**
Morphology and Biomarkers in Genitourinary Cancers: Introduction to the Symposium. (Volavšek 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

**Tumor staging**

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

**Undifferentiated carcinoma**

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

**Urachus**


**Ureter**

### 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. (Algaiba), 2015;37:23–28

### 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