A Note from President

Dear all:

Thanks for the HUGE effort from each committee and many of you, we have made great progress in each area in last few months. With help from many of you, our Education Committee and Membership Committee are organizing the Third CAPA Pathology Diagnostic Meeting in Chicago this August; and our Weekly Online Educational courses has been a huge success with great participation from both residents/fellows and practicing pathologists; and the preparation of our first Overseas CME Meeting in Dali, China is also underway. Our Newsletter Committee has published the first issue of Newsletter earlier this year with added sections for Interesting Case Presentations and Cooking Recipes. Our Career Development Committee has organized a webinar for newly matched pathology residents earlier this year, and there will be Career Development Session during this August CAPA Meeting in Chicago.

Here, we have proved again, working together, we can make a CAPA Better and Stronger.

Have a great summer!

Ping Tang, CAPA president (2017-2018)
SAVE THE DATE

Chinese American Pathologist Association (CAPA)

THE THIRD ANNUAL CAPA PATHOLOGY SYMPOSIUM:
HOT AND PRACTICAL TOPICS IN DIAGNOSTIC PATHOLOGY
Up to 10.75 AMA PRA Category 1 CME credit

August 19 – 20, 2017
Saturday (7:00am -5:00pm), Sunday (7:00am -2:30pm)

Northwestern University Medical School Auditorium, Chicago, Illinois

CAPA member: $150
Non-CAPA member: $200
Residents and Fellows: $75

Stay in Hyatt Centric Chicago Magnificent Mile for under $200
(Discount rate end July 24, 2017)

Please make your calendar and make hotel reservation for this exciting 2-day CME event!

Additional sessions:
Case presentation; Career development; Taking professional photographs

Social activity:
2017 Chicago Air and Water Show (Saturday and Sunday, FREE!!!)

Organizing Committee:
Ping Tang, Wei Xin, Ximing Yang, Hanlin Wang, Shuyuan Xiao, Yun Gong, Guoping Cai, Eric Chen, He Wang, Lanjing Zhang, Lizhen Gui, Chunhua Cui, Yaxia Zhang
CAPA Chicago Course 2017

Hot and Practical Topics in Diagnostic Pathology-2017 Chicago

The 3rd CAPA Diagnostic Pathology Course

Saturday, August 19 – August 20, 2017
Northwestern University Medical School Auditorium
Chicago, Illinois

Sponsored by:
Chinese American Pathologists Association (CAPA)

Organizing Committee:
Ping Tang, MD, PhD (Chair); Wei Xin, MD, PhD (co-chair)
Ximing Yang, MD, PhD; Hanlin Wang, MD, PhD; Shuyuan Xiao, MD; Yun Gong, MD, PhD; Guoping Cai, MD; Eric (Zongming) Chen, MD, PhD; He Wang, MD, PhD; Lanjing Zhang, MD; Lizhen Gui, MD, PhD; Chunjua Cui, MD; Yaxia Zhang, MD, PhD

Conference Overview: This 2-day course provides in-depth coverage on the hot topics including recent advance in molecular pathology and practical topics including those commonly encountered in daily diagnostic pathology in a format of didactic lectures and case-based presentations. The course will be presented by national experts across all subspecialties of diagnostic pathology. The course will address the questions and challenges and provide the updates and pearls in diagnostic pathology that practicing pathologists encounter in day-to-day practice, help the practicing pathologists to avoid the commonly encountered diagnostic errors and become proficient different subspecialties, and help residents and fellows with their subspecialty board exam preparations. The newly added on case discussion will provide ample opportunity for pathologists from academic and private practice to have face to face discussion.

Intended Audience and Conference Objectives:
This course is intended primarily for practicing pathologists, fellows, residents and other health care professionals. At the conclusion of this course, participants should be able to:
• Learn the recent advance in molecular pathology in each subspeciality
• Recognize the diagnostic traps that are commonly encountered in daily diagnostic pathology of different organ systems
• Demonstrate improvement in diagnostic skills in problematic cases

Accreditation:
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the Lewis Katz School of Medicine at Temple University and the Chinese American Pathologists Association (CAPA). The Lewis Katz School of Medicine at Temple University is accredited by the ACCME to provide continuing medical education for physicians. (A maximum of 10.75 AMA PRA Category 1 Credit(s)™)

Please check www.capa-ht.org for registration and hotel information.

Registration fees:
Course Faculty and Fellow/residents in training (Providing a letter of Proof from program): $75
Regular member: $150
Nonmember: $200

Place: Lurie Comprehensive Cancer Center,
303 E Superior St, Chicago

Parking: 321 E Erie St, Chicago (Hospital parking): $48/24hr

(Cont’d on Page 4)
CAPA Chicago Course 2017 (Cont’d)

PROGRAM

Saturday: Room 1 (Baldwin Auditorium)

7:00 - 8:00 am: Registration and Light Breakfast (provided by CAPA)
8:00 - 8:10 am: Welcome and Introduction – Ping Tang, MD, PhD
8:10 - 8:15 am: Welcome from Northwestern - Guang-Yu Yang, MD, PhD
8:15 - 8:55 am: Keynote: Liang Cheng, MD: Molecular Pathology for General Pathologists

9:00 - 10:30 am: Session #1: GI/liver 1
Moderator: Hanlin Wang

9:00 - 9:20 am: Hanlin Wang, MD, PhD (Serrated lesions)
9:20 - 9:35 am: Zongming Chen, MD, PhD
9:35 - 9:50 am: Jinmei Lin, MD, PhD
9:50 - 10:05 am: Chen Liu, MD, PhD
10:05 - 10:20 am: Xiuli Liu, MD, PhD
10:20 - 10:30 am: Q&A

10:30 - 10:45 am: Coffee Break

10:45 - 12:15 pm: Session #2: Breast Pathology
Moderator: Ping Tang

10:45 - 11:05 am: Beiyun Chen, MD, PhD (Update in Breast pathology)
11:05 - 11:20 am: Yan Peng, MD, PhD
11:20 - 11:35 am: Yun Wu, MD, PhD
11:35 - 11:50 am: Hong Zhang, MD, PhD
11:50 - 12:05 pm: Hua Yang, MD
12:05 - 12:15 pm: Q&A

12:15 - 1:00 pm: Lunch (provided by CAPA)

Room 1 (Baldwin Auditorium)

1:00 - 2:30 pm: Session #3: GI/liver 2
Moderators: Shuyuan Xiao

1:00 - 1:20 pm: Shuyuan Xiao, MD
1:20 - 1:35 pm: Huamin Wang, MD, PhD
1:35 - 1:50 pm: Wei Xin, MD, PhD
1:50 - 2:05 pm: Ruliang Xu, MD, PhD
2:05 - 2:20 pm: Guangyu Yang, MD, PhD
2:20 - 2:30 pm: Q&A

2:30 - 2:45 pm: Coffee Break

2:45 - 4:35 pm Session #4: GU pathology
Moderator: Steve Shen

2:45 - 3:05 pm: Ming Zhou, MD, PhD (Prostate pathology)
3:05 - 3:20 pm: Yingbei Chen, MD, PhD
3:20 - 3:35 pm: Qinghu Ren, MD, PhD
3:35 - 3:50 pm: Huihui Ye, MD, PhD
3:50 - 4:05 pm: Miao Zhang, MD
4:05 - 4:25 pm: Ximing Yang, MD, PhD
4:25 - 4:40 pm: Q&A

2:30 - 2:45 pm Break

2:45 - 4:30 pm: Session# 6: Hemepathology, dermatopathology and beyond
Moderator: Feng Li

2:45 - 3:05 pm: Feng Li, MD, PhD, JD (Forensic pathology)
3:05 - 3:25 pm: Yihua Chen, MD
3:25 - 3:45 pm: Limin Yu, MD
3:45 - 4:05 pm: Jia Ye, MD (Future Pathology)
4:05 - 4:30 pm: Q&A

4:40 - 5:00 pm: group photo

5:00 - 11:00 pm: CAPA Dinner for registered participates
(Bus provided between meeting place and Restaurant)
New Furama Restaurant, Phone 312-255-6888

(Cont’d on Page 5)
Sunday

7:30 - 8:30 am: Registration and Light Breakfast (provided CAPA)

Room 1 (Baldwin Auditorium)

8:30 - 12:00 am: Sessions #7: General Pathology
Moderators: Haodong Xu

8:30 - 8:50 am: Haodong Xu, MD, PhD
8:50 - 9:05 am: Dengfeng Cao, MD, PhD
9:05 - 9:20 am: Huihong Xu, MD, PhD
9:20 - 9:35 am: Guoping Cai, MD
9:35 - 9:45 am: Q&A

9:45 - 10:05 am: Coffee Break

10:05 - 11:50 am: Session 8: Open case discussions
Moderators: Wei Xin
Chunhua Cui
Xiuzhen Duan

11:50 - 12:00 pm: Closing remarks for CME activity

12:00 - 1:00 pm: Lunch (provided by CAPA)

Sunday afternoon are non-CME activity.

Room 1 (Baldwin Auditorium)

1:00 - 2:30 pm: Career and Leadership development Panel discussion: Guang-Yu Yang, Lirong Cheng, Andy Ke, Marilyn Bui, Chen Liu and Yun Gong

Room 2 (Searle Seminar Room)

1:00 - 2:30 pm: Photograph for beginners and beyond: Xiaoping Sun, Ximing Yang

2:30 pm: CAPA meeting adjourn

Faculty List (Alphabetically):

- Marilyn Bui, MD, PhD
- Beiyun Chen, MD, PhD
- Zongming(Eric) Chen, MD, PhD
- Fang Fan, MD, PhD
- Feng Li, MD, PhD, JD
- Chen Liu, MD, PhD
- Xiaohua Qian, MD, PhD
- Xiaoping Sun, MD
- Huamin Wang, MD, PhD
- Wei Xin, MD, PhD
- Ruliang Xu, MD, PhD
- Ximing Yang, MD, PhD
- Limin Yu, MD
- Yaxia Zhang, MD, PhD
- Guoping Cai, MD
- Yingbei Chen, MD, PhD
- Liang Cheng, MD
- Yun Gong, MD
- Jingmei Lin, MD, PhD
- Xiuli Liu, MD, PhD
- Qinghu Ren, MD, PhD
- Ping Tang, MD, PhD
- Yun Wu, MD, PhD
- Zhao Hong, MD, PhD
- Haodong Xu, MD, PhD
- Guangyu Yang, MD, PhD
- Huihui Ye, MD, PhD
- Hong Zhang, MD, PhD
- Ming Zhou, MD, PhD
- Shunyou Gong
- Xueli Hao
- Wendy Liu
- Lijuan Wang
- Bihong Zhao
- Yihua Chen, MD
- Lirong Cheng, MD
- Andy Ke, MD, PhD
- Xiaqi Lin, MD, PhD
- Yan Peng, MD, PhD
- Steven Shen, MD
- Hanlin Wang, MD, PhD
- Shuyuan Xiao, MD
- Huaimin Xu, MD
- Hua Yang, MD
- Jia Ye, MD
- Miao Zhang, MD
Open Letter for Potential CAPA Sponsors

July 12, 2017

Dear Sir/Madam:

Chinese American Pathologists Association (CAPA 全美华人病理协会) is a non-for-profit organization of the Chinese American pathologists in the United States and Canada who are either in practicing or in training. Since its establishment in 2003, with the continuous and collective efforts from our past presidents, officers of all subcommittees, and all active members, CAPA has developed as a national and internationally recognized pathologist organization with over 700 members today.

CAPA consists of a very broad membership in both academic and private practice; and in Anatomic Pathology as well as Clinical Pathology; with both "experienced" and "young" pathologists. As a group, we are extremely accomplished, with many nationally and internationally known pathologists and tenured professors in all major academic institutions. Also, we have members serve as Department Chairs and Directors for anatomic pathology, cytopathology, and resident/fellowship training programs in top US/Canadian universities across the country. Some of our members also serve in high level leadership position in non-academic health organizations as well as in private sectors.

The #1 mission of CAPA is to serve our members. By providing educational opportunities (Annual Diagnostic Meeting, Weekly online educational course, independent CAPA session with other national and international pathology societies), and by promoting communication, friendship and knowledge/exchanging during our Annual Business Meeting and other social/educational events, and by promoting young pathologists with numerous awards and career consultation; we have continually drawn more new members joining our organization. It currently has over 700 registered members, representing about half of the 1400 Chinese American practicing pathologists in the US and Canada.

As a non-for-profit organization, our funds are mainly from the generosity donations from our sponsors and the membership dues. In order to better serve our members and to provide greater impact for our community, we would appreciate any level of sponsorship from your company (please see attached form for details).

We thank you in advance for your consideration to sponsor this truly unique organization. If you have any question, please do not hesitate to contact me directly.

Sincerely yours,

Ping Tang, MD, PhD
CAPA President 2017-2018

Professor of Pathology
Director of Anatomic Pathology
Department of Pathology
Loyola University Medical Center
Maywood, IL
Phone: 708-327-3367
e-mail: ping.tang@lumc.edu

CAPA Executive Committee:
President: Ping Tang, MD, PhD; President-Elect: Yun Gong, MD, PhD (2018-19); Immediate president: Huamin Wang, MD, PhD
Executive Members: Marilyn Bui, MD, PhD; Guoping Cai, MD, PhD; Linsheng Zhang, MD, PhD; Lirong Chen, MD; Huan-You Wang, MD, PhD; Andy Ke, MD; Wei Xin, MD, PhD Treasure: Zongming Eric Chen, MD, PhD
CAPA Successfully Organized Sections at the 10th Congress of Asia Pacific International Academy of Pathology (APIAP) in Bali, Indonesia

On behalf of CAPA, Dr. Huamin Wang, Dr. Jing Zhang and Dr. Qihui “Jim” Zhai had successfully organized two sections on the molecular pathology of solid tumors and one section on head and neck pathology at the 10th Congress of Asia Pacific International Academy of Pathology (APIAP) in Bali, Indonesia in April this year. CAPA was listed as an official sponsor in the meeting brochure and in the meeting program of this major international meeting, another milestone for CAPA.

Drs. Huamin Wang, Jing Zhang, Qihui “Jim” Zhai, and Ping Tang chaired the sections for the molecular pathology of solid tumors. Six expert pathologists from CAPA presented the most recent advances and updates on diagnostic molecular pathology of solid tumor. Their topics are listed below:

1. Hui Chen, MD, PhD, Next generation sequencing in personalized care of cancer patients.
2. Jing Zhang, MD, PhD, Updates on molecular diagnostics of brain tumors.
3. Yun Gong, MD, PhD, The role of cytology in the era of molecular medicine.
4. Huamin Wang, MD, PhD, Microsatellite instability in therapy and prognostication of colorectal cancer.
5. Liang Cheng, MD, PhD, Molecular pathology of lung cancer: Biologic, Prognostic, and Therapeutic Insights.
6. Yun Wu, MD, PhD, Molecular Classification and Testing in Personalized Therapy of Breast Cancer.

The head and neck pathology section was chaired by Drs. Qihui “Jim” Zhai, Peng Lee and Honggang Liu. Two expert pathologists from CAPA have given the timely lectures on head and neck pathology.

1. Qihui “Jim” Zhai, MD, PhD, Morphologic variants and clinical significance of head and neck squamous cell carcinoma.
2. Beverly Wang, MD, PhD, Immune and molecular markers in head and neck pathology.

In addition, Dr. Yun Wu and Dr. Ping Tang presented lectures and interesting cases in the breast pathology sections. Dr. Steven Shen and Dr. Liang Cheng presented in the genitourinary pathology section. Dr. Jing Zhang presented at the neuropathology section. Dr. Xiaohua Qian presented in soft tissue and bone pathology.

We thank all CAPA speakers and section chairs who participated in the 10th Congress of APIAP for their contribution to this major CAPA initiative. Job well done!
The CAPA Committees Brief Reports

The Education committee

The main task of this period is to prepare the incoming meeting.

1. 3rd CAPA diagnostic course in Chicago (Aug 19-20). Confirmed all the speakers (Chunhua Cui and Yaxia Zhang)(speakers selection was done before the takeover), published the program book and applied for the CME credits from Tampa University (Led by He Wang)

2. CAPA-Beijing Summit meeting (Sept 1-2). Called for the speakers, selected and confirmed all the speakers (All members of the education committee). The list of the speakers has been submitted to the organizers of Beijing meeting.

3. CAPA Dali meeting (Oct 20-21). Selected and confirmed all the speakers (most of the selections were done before the takeover). Obtained CME credit approval from CAP. Published the program book. This is the first ever CAP approved oversea CME course. Set up the meeting attendee registration (Chunhua Cui) and online payment collection.


CAPA course in annual CAP meeting is cancelled due to the inconvenient schedule (Lanjin Zhang)

Chair: Wei Xin, Co-chair: Shuyuan Xiao

Members: Chunhua Cui, Yaxia Zhang, Bihong Zhao, Shunyou Gong, Hanlin Wang, Ximing Yang, Lanjing Zhang, He Wang, Linsheng Zhang, Zhengang Pan, Linmin Yu

The Online education subcommittee:

The CAPA online education subcommittee officially launched Online Education program Pathology Lecture series on March 18, 2017. So far we have completed 12 lectures on genitourinary pathology, gastrointestinal pathology and Dermatopathology, and 3 expert special lectures. At the time of this report, 628 pathologists and trainees have registered to join the program. The program is well accepted in our Chinese American Pathologist community with attendees of each lecture ranging from 189 to 287. A few pathologists from mainland China also joined the meeting. We received very encouraging comments in WeChat groups for every meeting. The program will continue to cover other topics of each subspecialty of anatomic pathology and Hematopathology.

CAPA Online Education Subcommittee thanks the contributions of the following speakers for their great lectures:

Special Topics Expert Lectures:
Drs. Ming Zhou (GU pathology); Xiuli Liu (GI pathology) and Zenggang Pan (Hematopathology).

Genitourinary Pathology: Drs. Xiangtian (Max) Kong; Qinghu Ren and Lihong Bu

Gastrointestinal Pathology: Drs. Changqing (Cathy) Ma; Zhiyong Ren; Qing (Grace) Zhao; Wei Jiang; Guoli Chen; Xucheng Zhang and Baojin Fu;

Dermatopathology: Drs. Hongyu (Henry) Yang and Limin Yu

Chair: Linsheng Zhang
Co-Chairs: Zenggang Pan, Limin Yu
Members: Baojin Fu, Xiangtian (Max) Kong, Deyin Xing, Dehua Wang, Xiaoxian (Bill) Li, Zhiyong Ren, Chen Zhang, Hong Xiao, Zaibo Li, Yaxia Zhang, Jianying Zeng

The Career development committee:

Career development committee organized a new pathology resident welcome webinar on 4/16/2017. The meeting lasted close to 4 hours with opening remarks from current CAPA president Dr. Ping Tang and presentations from CAPA EC members Drs. Lirong Cheng, Linsheng Zhang, the well-known resident/fellow educator Dr. Zenggang Pan, and two PGY1 residents (Drs. Hong Jiang and Rong Xia). 34 Chinese medical graduates (29 matched to pathology residency this year and 5 current pathology residents) all over the country attended the online meeting. Currently, Drs. Pan and Zhang are also active members of the resident/fellow WeChat groups to discuss residency/fellowship trainings and career development with Chinese pathology trainees of all PGY levels.

Chair: Linsheng Zhang
Co-Chairs: Zenggang Pan, Limin Yu
Members: Baojin Fu, Xiangtian (Max) Kong, Deyin Xing, Dehua Wang, Xiaoxian (Bill) Li, Zhiyong Ren, Chen Zhang, Hong Xiao, Zaibo Li, Yaxia Zhang, Jianying Zeng

Residents, Fellows, and Prospective Pathology Residents:
Chair: Wei Xin
Co-chair: Xiaohua Qian

Academics Subcommittee
Chair: Jiaoti Huang
Co-chair: Fang Fan
Private Subcommittee
Chair: Andy Ke
Co-Chair: Song Qing Zhao

(Cont’d on Page 10)
The CAPA Committee Brief Report

Cont'd from Page 8)

**eNewsletter Committee:**

The quarterly eNewsletter is one of the important means CAPA uses to communicate with all members. Besides traditional items we have publish since its conception, we added new categories since the 1st issue in 2017, these include Art/photos, Case of Quarter (COQ), and Recipes of Quarter (ROQ), we hope these new features will make the eNewsletters more fun to read and more importantly, we want you to participate by sending us your favorite case, recipe, or meaningful art so that all of us can enjoy. All of us from the eNewsletter Committee are striving to bring you the news you want to read and use. Thank you.

Chair: Huan-You Wang
Co-chair: Fan Chen
Members: Yanxia Li, Guilan Chen, Hui Guan

**The Website Committee**

We have built a new CAPA website to replace the original one that had been in service since the beginning of CAPA. The new website (URL: [www.capaht.org](http://www.capaht.org) or [www.capa-h.org](http://www.capa-h.org)) is based on the popular open-source content management system WordPress. It allows us to create a more vivid, image-rich front page. It is easier to maintain and update as well. In addition, a password-protected user system is set up to provide a secure online forum for CAPA members who wish to share their interesting pathology cases, job information, or any other topics.

Potential future projects include improving the cosmetic appearance of CAPA website, facilitating case discussion, and making a more robust user management system to help streamline meeting registration and fee payment. Any CAPA members who are interested in web designing, programming or simply message posting are welcome to join our committee.

Chair: Andy Ke
Webmaster: Jie Song
Members: Guilan Chen, Yanxia Li, and Fayu Chen.

**The Public Relation Committee**

We are also happy to see the circle of CAPA friends continuing to grow, with increased support from other biotech and diagnostic companies, some of whom have already made multiple contributions to several of our projects within short a period time of getting knowing us. Many of our members are actively conducting outreach to a variety of businesses. Among them, we especially would like to thank Drs. Ping Tang, Quin Ru, Zhiwei Ma, Jimmy Yang, Huihong Xu, Xiaoqi Lin, Jim Zai, and Peng Li for their extra efforts in connecting us with potential donors and their help in securing additional funds.

Last but not the least, we wanted to mention that one of our senior members has made a significant private donation to CAPA, though wishes to remain anonymous. On behalf of the organization, we would like to thank this member's generosity and longstanding commitment.

Chair: Lirong Cheng
Co-Chair: Peisha Yan, Feng Li
Members: Huihong Xu, Zhiwei Ma, Xin Jin

**The Membership Committee**

The Membership Committee currently has 13 members chaired and co-chaired by Guoping Cai, Chunhua Cui, Qing Ding, Xiuli Liu, and Qinghua Ren. Other members include Xuemo Fan, Xin Han, Zhihong Hu, Fang Qian, Kevin Ren, Rong Xia, Wei Zhang, and Lee-Ching Zhu.

Our membership continues to grow. Since the annual meeting in San Antonio, more then 50 pathologists have joined our society and 11 become lifetime members. We have updated membership directory, sorted out membership categories and tried to reach out to inactive members with an effort to have more active member participation in the activities of our society. We are currently working closely with the Organizing Committee and Education Committee on the preparations for the Third CAPA Pathology Symposium in Chicago.

New lifetime members: Lulin Hu, Chunjie Wang, Gang Xu, Jinru Shia, Qingle Hu, Bin Zhao, Rulong Ren, Yan Gu, Xuzhen Duan, Donglin Xie and Wei Zhang.

Chair: Guoping Cai
Co-chairs: Chunhua Cui, Qing Ding, Xiuli Liu, Qinghu Ren
Members: Zhihong Hu, Fang Qian, Kevin Ren, Wei Zhang, Lee-Ching Zhu, Rong Xia
Recent Achievements from CAPA Members

Honors and Achievements

Peng Yan of UTSW

1. Editorial Board member, Human Pathology
2. Member, Abstract Review Board of USCAP (Breast Pathology Category) (2017-2020)
3. President-elect, North Texas Society of Pathologists
4. President, Faculty Senate of UT Southwestern Medical Center (2017-2018)

Recent Publications from CAPA Members

Submitted by HY Wang, UC San Diego

Part 1.

Clinical History: The patient is a 71 years old female with a history of para-protein due to lymphoplasmacytic lymphoma. She is now presented with generalized infiltrative orange-yellow papules coalescing into annular plaques. This biopsy was taken from epigastric region.

H&E and relevant immunohistochemistry: As shown in Figure 1, there is a diffuse dermal infiltrate dissecting the collagen. On higher magnification (Figure 2), there atypical cells are medium-sized to large cells with irregular nuclear contours.

A panel of immunohistochemistry (IHC) was performed. These atypical cells are positive for CD56 (Fig 3), CD4 (Fig 4), CD68 (Fig 5), CD45RO (Fig 6) and Lysozyme (Fig 7).

Part 2.

The differential diagnosis based on H&E alone includes:
1. Transformed large B-cell lymphoma;
2. Blastic plasmacytoid dendritic cell neoplasm (BPDCN).
3. Anaplastic large cell lymphoma;
4. Leukemia cutis;
5. NK/T-cell lymphoma; and Neuroendocrine carcinoma, large cell.

Further work-up:
Because of positive CD56, synaptophysin and chromogranin were performed and both were negative. Because of irregular nuclear contours, high N:C ratio, and eosinophilic cytoplasm in some of the cells, commonly used leukemic markers such as CD34, CD117 and MPO were performed and they were negative; however, since the atypical cells are positive for CD4, other monocytic markers including CD68 (Fig 5), CD45RO (Fig 6) and lysozyme (Fig. 7) were all positive, thus a leukemic cutis was established. Because of CD4(+)CD56(+) immunophenotype, further IHCs including CD123 and TdT were performed, the leukemic cells were negative (data not shown), thus BPDCN was ruled out. Furthermore, the atypical cells are negative for CK20, pan-keratin, melanocytic (S100 and Mart 1), B-cell (CD19, CD79a, and PAX-5), and T-cell (CD2, CD3, and CD7) and Langerhans (CD1a) antigens. EBV was negative. One positive antigen, which was not shown here, is CD43.

Diagnosis: Leukemia cutis (acute monocytic leukemia involving skin).

Brief summary and take home message:
Leukemia cutis, like myeloid sarcoma, can occur before, simultaneous, or after peripheral blood and bone marrow diagnosis of acute leukemia. In this case, it was difficult to diagnose leukemia cutis because an acute myeloid leukemia (AML) was not yet diagnosed at the time of this biopsy. In fact, when I was called by attending hematologist regarding this diagnosis, I asked him to work-up for AML - 7 days after the leukemia cutis, an AML was diagnosed based on her marrow biopsy.

Positive CD56 immunoreactivity among the blasts in this case is interesting, and it can be distractive. Positive CD56 can be seen in many types of malignancies, such as neuroendocrine tumor, NK-cell lymphoma, and BPDCN, to name a few. According to one study, CD56 is detected in 25% of all AMLs.
Case of Quarter (COQ) for CAPA eNewsletter

Submitted by Hua Yang, Kalahari Canada

Part 1.
Clinical History: 64 year old female, nipple “red scaling”, not respond to steroids cream. Image show no mass lesion in breast parenchyma. Wedge excisional biopsy is performed.

Part 2. H&E

What is your differential diagnosis and further work-up?
美味可口的肉末茄子

做法:
1. 先蒸好茄子，筷子划拉成条
   茄子削皮，切两半蒸5分钟左右熟了，蒸完后会出点水倒掉，再用筷子划拉成几条（便于入味）如图1

2. 再炒尖椒肉末西红柿末（越细越好），放多多的蒜末，最后浇到茄子上
   此菜的特色是盐蒜末调味，最后撒些葱花增加色彩，剩的汤汁刚好没过茄子，茄子的滋味都来自汤汁，浸润几分钟上桌最佳，如图2
CAPA Acknowledges the Following Sponsors for Their Support

A Personal Contribution from A Senior CAPA Member