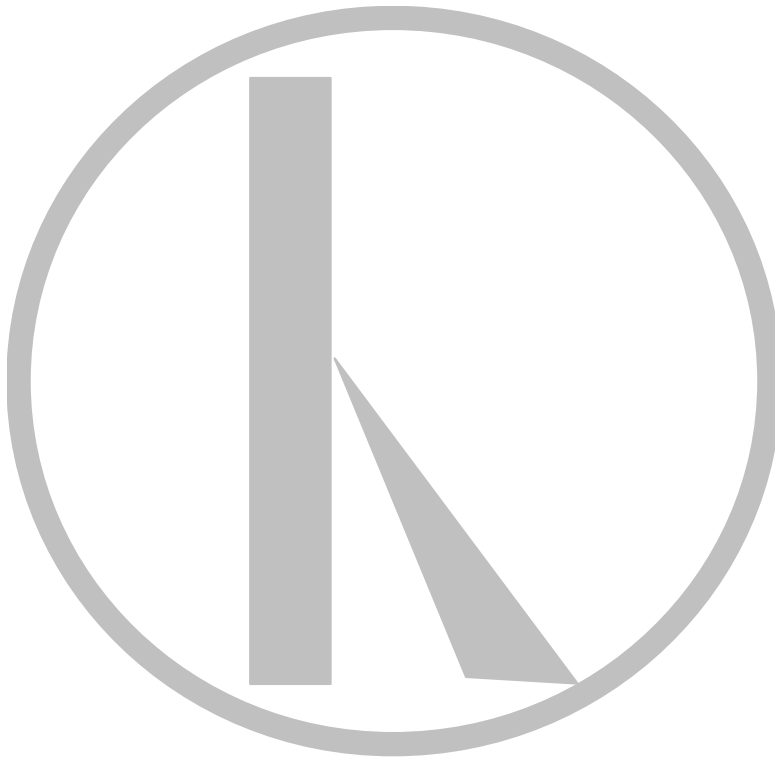

Histogram

www.histonsw.org.au

ISSUE 3
October 2015



Newsletter of the Histotechnology Society of NSW

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Committee Members

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	Dianne Reader	dreader@nscchahs.health.nsw.gov.au	Histology, RNSH
	Grant Taggart	gtaggart@dhm.com.au	Department Manager Histology DHM
	Gillian Evans	sgbevans@bigpond.com	
	Leah Simmons	Leah.simmons5@gmail.com	Histology teacher, Granville TAFE

Editorial

This has been a very busy year for the entire committee. Hope you have all been participating in the educational seminars, conferences and workshops.

We keep offering workshops on various subjects to facilitate a more hands on experience, and to add to the skill set and competency of participants. Continuous training, education, exposure to new techniques and knowledge, can lead to continuous improvement. Our next upcoming workshop is "MacroPATH- Digital

Imaging at Gross CutUp Station & Taking microscopic pictures from your iPhone". Remember to register as there are only limited places.

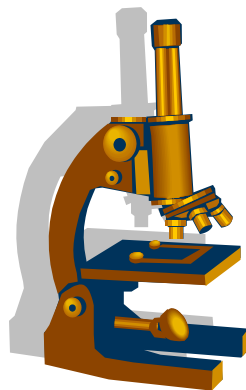
Hope everyone enjoys reading the Histogram, and please feel free to email me anytime as I would love everyone's feedback.

We have a Facebook page called 'Histotechnology Society of NSW'. Please like and share this page to colleagues and friends. Please check out Facebook page and

our refurbished website (www.histonsw.org.au) for up-to-date news and events. If you still haven't renewed your membership, I encourage you to do so via the links on our website, and student membership is currently free for all new fulltime student members.

Remember our Christmas party is on the 11th of December. Hope to see you all there and as always, it will be a fun night. 😊

Linda Prasad,
Editor
linda.prasad@health.nsw.gov.au



Chairman's Report

Since our last Histogram we have held:

- A wet workshop on Silver Stains held in Canberra and presented by Anne Prins and Penny Whippy. The workshop was fully booked and well received by the attendees.
- On the 4th of September we held our AGM and our guest speaker was Dr Esther Myint from Douglas Hanley Moir Pathology, the topic being "Obstructive Pathology". A busy night with the AGM, proposed changes to our constitution [passed by the members present], Life Membership being awarded to Grant Taggart [active member since 1981] which was well deserved and the presentation by our guest speaker.

Regarding Grant Taggart's Life Membership, he was presented with a life membership badge, a plaque, a framed presentation of his nomination, a decorated cake and cupcakes with special stains colouring on top. A big night for him and his wife.

Esther presented a very interesting lecture on the pathology of organs which have had issues with a blockage in their system. Most organs; including the brain, salivary glands, lungs, heart, gastrointestinal tract, genitourinary tract will break down if there is an obstruction.

- A "Cut Up" workshop in Canberra on the 23rd, 24th and 25th of September was held. The workshop was fully subscribed and presented by Penny Whippy and Anne Prins. They have been running these workshops for several years and continue to be well supported.

- By the time this goes to press we will have held a "microtomy" workshop at Granville TAFE which has been supported and largely organised by Leica Biosystems. It is fully booked. [report in next issue].

As you can see our workshops utilising laboratories are popular and fully booked. It is important you book early because we have had to not accept bookings as we have gone over the maximum number for the facility. We are continuing to look at potential subjects for workshops and where feasible repeat them if the demand is high enough. Any ideas are welcome.

On the 7th of November we will be holding a "Macro PATH workshop at DHM which is being largely supported by ABACUS with Gracie HDS doing a presentation on photomicrography with mobile phone. Check our website for more information and whether spaces are still available.

Our Christmas function will again be held at North Ryde RSL on the 11th of December. Our speaker's topic is "Medieval Astrology and Health". Will be a good night, pencil it in your diary.

We are continuing to work with the Queensland Histotechnology Group on a Conference to be held in Port Macquarie in October, 2016. Watch this space.

Cheers,

Trevor Hinwood.
Chairperson.
Histotechnology Society of NSW.

Histogram Advertising Charges

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A4 COLOUR - Printed In The Journal	1 A4 page\$300.00

HISTOTECHNOLOGY SOCIETY OF NSW POSTAL ADDRESS

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HISTOTECHNOLOGY SOCIETY of NSW

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MINUTES OF THE ANNUAL GENERAL MEETING

Held at North Ryde RSL Club

4th September 2015 at 6.30 pm

THE MEETING: Opened at 6.30 pm with Trevor Hinwood in the Chair

PRESENT: 26 people present

APOLOGIES: Tony Henwood, Linda Prasad, Robyn White, Di Reader, Anne Prins, Penny Whippy, Cristina Antonio, Momoko Sakaki, Aldo Quintanilla, Jonathan Mayer & Gillian Evans

MINUTES: The previous meetings minutes were taken as read.
Kathy Wells proposed that they be accepted
Seconded – Natalie Fennell

BUSINESS ARISING:

There was no business arising from the Minutes

CHAIR REPORT: Trevor Hinwood presented the Annual Report as below.

This has been a busy year for the committee.

Following our incorporation the committee has reviewed our Constitution to do some fine tuning so it better reflects the committees current operation. At this AGM we present the modified Constitution for your approval. It will then be forwarded to the NSW Dept. of Fair Trading [Service NSW] for their final approval.

Another matter we need you support for is our proposal for awarding Life Membership to Grant Taggart. The committee feels this award is well deserved, Grant having being involved with our Society since its inception in 1981. Grant has quietly assisted in many ways and also being an active committee member over many years.

During the past year we held ten events:

- Our Annual General Meeting was held at North Ryde RSL and our guest speaker was Amir Ashrafy registrar from Douglas Hanley Moir Pathology. Amir's presentation was on "The Zoo of the Body and the magic of special stains" Amir explained that we live in the sea of organisms and our body is exposed to all of them at all times. Esther covered a range of body parts explaining many organisms can only be

identified by special stains and immunohistochemistry stains. Very interesting presentation. Amir is now working as a pathologist at Nepean Hospital

- Our first workshop this year was in October on “ Antibody Optimisation “, presented by Emma Jones an application specialist with Roche Diagnostics. The aim of the workshop was to give the participants a solid grounding on the process of antibody optimization for IHC assays. The workshop was well attended.
- In November our society was invited to attend a night meeting at the Douglas Hanley Moir facility on “ Haemochromatosis “. The evening was organised by the “ Australian College of Medical Sciences and Research “. An informative evening which was well attended.
- Our Christmas celebrations evening was held on the 28th of November at North Ryde RSL. Over 40 people in attendance to here Dr Estelle Lazer presented an enthralling insight into Pompeii and the human skeletal remains she has studied. A great night to finish the year.
- “Histotechnology Professionals Day “was held on the 10th of March and the Histology team at the “Children’s Hospital, Westmead “celebrated the day in style. Next year we are hoping to have more laboratories involved.
- In March we held a scientific talk on the “Body Farm “presented by Dr Kendall Bailey [Forensic Pathologist] from the NSW Dept. of Forensic Medicine in Glebe. Kendall did a similar presentation for us several years ago, and we have had numerous requests for a repeat. Kendall is passionate about her forensic work and a riveting speaker. Someone special. A great evening with around 120 people in attendance.
- In June many of us attended the “7th National Histotechnology Conference “in Brisbane. The Conference was well attended with some excellent speakers and workshops.
- Our final workshop for the year was held in Canberra and presented by Anne Prins and Penny Whippy who do a wonder full job in presenting workshops for us and run the Canberra subgroup. The workshop was a wet workshop on Silver Stains and was fully booked.
- Anne Prins and Penny Whippy held several fully subscribed ‘Surgical Cut Up Workshops at the Canberra Institute. They are popular courses, they do a tremendous job and need to be recognised for their work. They are supported by our Histotechnology Society framework and Arthur Bailey Surgico and Australian Biostains.

During the year we started working with NSW TAFE on ways we can assist them with their teaching program and promoting Histology in their courses. We had become concerned at proposals to reduce teaching hours in the theory and practical pathology component. We have had good discussions with senior people in the TAFE system.

Our committee also approved that students in this coming year would not have to pay membership fees. We want to encourage students to become members and be more involved in our Society.

During the last 6 months our committee finalised its review of the website and decided to cancel the existing website provider and work with Craig Eve who had offered to help modernise and rebuild the website. This would include a Pay Pal component for making payments to us easier using credit cards. The website is now operating and you are able to renew your membership utilising it. We need to thank Craig for the many hours he has spent on this project.

Linda Prasad took over as editor of the “Histogram “from Tony Henwood who still offers his support where needed. Linda is doing a great job with her assistants in continuing this important publication.

Thank you also to the Companies who continue to support our Society in many ways. Douglas Hanley Moir Pathology for their support in making rooms available for committee meetings/ night time presentations and workshops. We would also like to thank Granville TAFE for making their laboratories available for workshops and providing support with their staff.

We also need to thank our committee who have put many hours of their time into our Society this year.

For those who have not renewed their membership, this is now due. Please do this as soon as possible.

We look forward to continuing to work with you in the coming year.

Trevor Hinwood
Chairperson.
Histotechnology Society of NSW.

TREASURER'S REPORT:

Fred Reader presented the Treasurer's Report as below:

HISTOTECHNOLOGY GROUP OF N.S.W.			
FINANCIAL REPORT 1ST JULY 2014 to 30TH JUNE 2015			
TREASURER'S REPORT: ANNUAL GENERAL MEETING to be held at the			
North Ryde RSL Function Centre on 4th September, 2015			
	2015		2014
<u>Bank Account opening balance</u> 1st July, 2014			
Sydney Credit Union			
Account 94099 - Working Account	\$3,006.58		\$6,425.41
Account 94099 - S4.1 National Conference account	\$11,974.78		\$3,095.36
Term Deposit Account	\$34,114.36		\$39,133.24
Commonwealth Bank			
Canberra Account 10111582	\$4,848.81		\$5,968.39
Total Funds Held	\$53,944.53		\$54,622.40
Income and Expenditure Statement			
Income			
Membership Fees	\$4,921.19		\$6,497.14

Christmas Party	\$1,104.56		\$361.37
Workshop	\$10,086.46		\$7,502.09
Conference	\$0.00		\$33,885.20
Interest	\$915.28		\$1,680.58
Total Income	\$17,027.49		\$49,926.38
Expenditure			
Bank Fees	\$0.00		\$4.54
Postage	\$677.28		\$1,023.73
Computer Expenses	\$499.73		\$1,152.23
Storage	\$1,386.82		\$0.00
Insurance	\$868.93		\$873.30
Christmas Party	\$2,226.19		\$1,843.64
Workshop	\$8,336.35		\$7,797.92
Conference	\$2,884.00		\$29,150.85
Fees	\$2.27		\$164.52
Other	\$3,423.00		\$8,546.15
Total Expenditure	\$20,304.57		\$50,556.88
Profit/(Loss)	-\$3,277.08		-\$630.50
<u>Bank Account opening balance</u> 30th June 2015			
Sydney Credit Union			
Account 94099 - Working Account	\$3,322.25		\$3,006.58
Account 94099 - S4.1 National Conference account	\$5,892.39		\$11,974.78
Term Deposit Account	\$35,116.25		\$34,114.36
Commonwealth Bank			
Canberra Account 10111582	\$6,026.90		\$4,848.81
Total Funds Held	\$50,357.79		\$53,944.53

The current committee stood down

The following nominations were received for the positions:

- Chair: Trevor Hinwood
- Secretary: Bharathi Cheerala
- Assistant Secretary: Katherine Wells
- Treasurer: Fred Reader
- Editor: Linda Prasad
- Assistant Editor: Tony Henwood
- Social Media Coordinator: Jacky Mayfield
- Country Representatives: Anne Prins, Penny Whippy
- Trade Representatives: Natalie Fennell, Mark Mullin, Robyn White
- Student Representative: Cristina Antonio
- Committee Members: Bill Sinai
Grant Taggart
Dianne Reader
Leah Simmons

All nominations for the above positions were accepted and members duly elected.
Natalie Fennell moved and Mark Mullin seconded.

MARGARET JAMES:

Margaret is no longer wish to continue in the committee, a simple farewell was given to her acknowledging her time and contribution over the years and as a token of thanks as agreed by the committee prior to the AGM.

LIFE MEMBERSHIP:

Life Membership award to Grant Taggart was unanimously agreed by members presented at AGM. Membership award presented by Trevor Hinwood and Bill Sinai.

CONSTITUTION:

The changes made and highlighted in yellow were presented to the members and have been accepted at AGM. Please see attached copy.

GENERAL BUSINESS:

There was no general business.

There being no further business, the meeting closed at 7:15 pm.

Silver Stains Workshop

Jacky Mayfield- Children's Hospital at Westmead

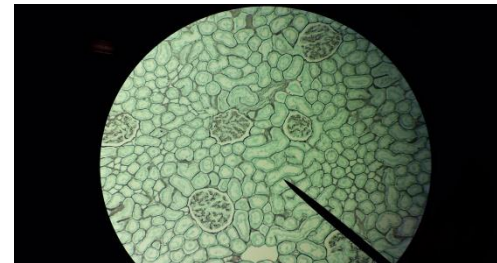
On Saturday the 18th of July, our country representatives, Anne Prins and Penny Whippy, organised and held a Silver Stains workshop. It was a five hour wet workshop held at the Bruce campus of the Canberra Institute of Technology. It covered three silver stains: Gomori's Periodic Acid Silver Methenamine (PASM), Grocott's Methenamine Silver (GMS) and Gordon & Sweets' Reticulin. Each participant received a comprehensive workbook that covered not only the protocols of each stain, but also the history and background information

required to understand the what, how and why's of silver staining. Each station was meticulously arranged so that everything required throughout the duration of the workshop, was in front of you. The workshop setup, agenda and workbook were all quite highly comprehensible so that staff of all levels could understand and follow. The day also included a demonstration by DAKO Australia Pty Ltd, on special stain automation which was both informative and interesting. The day ended with a troubleshooting session which gave all the participants

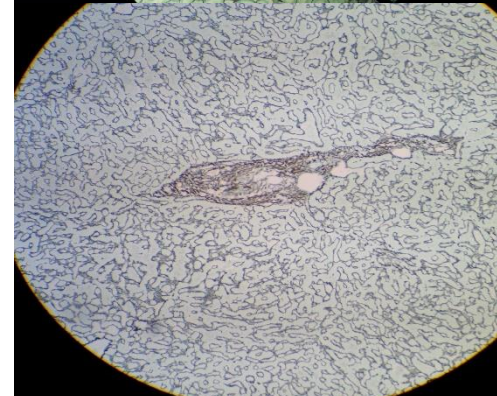
a chance to brainstorm any difficulties or problems with staining. The workshop was not only very educational, but also a great opportunity to socialise with fellow histotech's from other institutions. So I would like to congratulate Anne and Penny on yet another successful workshop which was thoroughly enjoyed by all. I would also like to thank the sponsors of the day, Dako Australia Pty Ltd, Australian Biostain Pty Ltd, POCD Scientific Pty Ltd and Canberra Institute of Technology.

What's that stain?

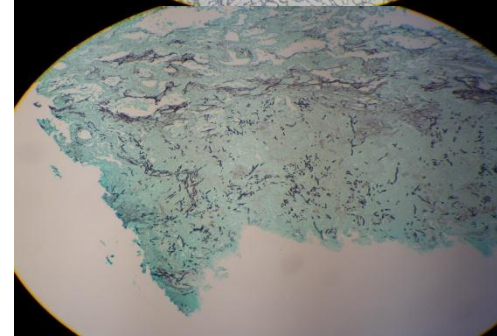
A)



B)



C)



Macropath Workshop and Macropath photos with iphone



HISTOTECHNOLOGY SOCIETY of NSW

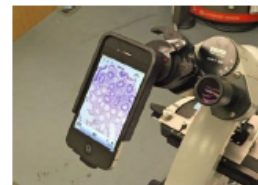
MacroPath Workshop

By Claire Chupin, ABACUS ALS



Microscopic photos with iPhone

By Alex Anderson, Grale Scientific



Location: Douglass Hanly Moir Pathology, 14 Giffnock Ave,
Macquarie Park NSW 2113

Date: Saturday 7th November **Time:** 9.30am to 2.00pm

Morning tea and lunch: Provided by ABACUS ALS

RSVP by 30th October. To

Bharathi Cheerala

Bharathi.cheerala@sonichealthcare.com.au

02 9855 5023

Places are limited to 20 participants only

Cost for workshop:

Histo Society members \$50.00, non-members \$65.00

Please visit our website for payments www.histonsw.org.au

See over for full agenda

AGENDA

Registrations: 9.30am

Part A:

iPhone photos by Grale Scientific:

- Presentation on how to take photos: 10.00-10.10am

Delegates split into 4 groups and are assigned to a microscope each

- Taking microscopy photos with your iPhone: 10.10- 10.30am

Part B:

MacroPath by ABACUS ALS:

- Presentation on Digital Imaging at the Grossing Station: 10.30-10.50am
- Morning Tea: 10.50- 11.10am
- Wet Workshop: Delegates split into two groups and review MacroPath Pro-X: 11.10-11.30am
- Delegates split into three groups and are assigned to a MacroPath instrument each: 11.30-12.40pm
- Q&A session: 12.40-1.00pm
- Lunch: 1.00-2.00pm

Hand book with MacroPath workshop material will be distributed to participants by ABACUS ALS

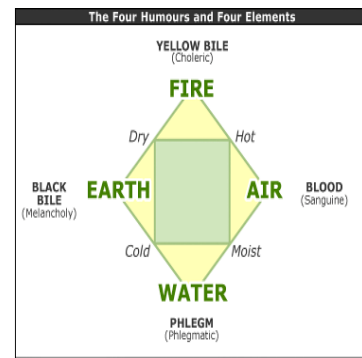
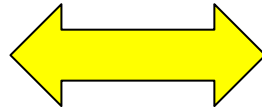


HISTOTECHNOLOGY SOCIETY of NSW



CHRISTMAS SPECIAL SCIENTIFIC TALK

By **Ian Whitchurch** on
MEDIEVAL ASTROLOGY & HEALTH



Ian Whitchurch really is an expert on all things medieval as well as medieval astrology which follows Roman teachings as opposed to Western Astrology which follows Babylonian.

This is a fascinating topic in itself. Ian will talk about a brief survey of Western astrology, the four elements and their expression in the human body, the four humours, the planets and the elements, signs and the parts of the body, benefic and malefic planets, and their influences on health.

Christmas Dinner, Trivia & Prizes

Venue: North Ryde RSL

Date: 11/12/2015

Time: 6.30pm

Cost: \$45 per person

RSVP: 27/11/2015

Contact: Bharathi Cheerala bharathi.cheerala@sonichealthcare.com.au Ph: 9855 5023

Watch the space on our website

www.histonsw.org.au

Rapid Histopathological Processing of Potential Donor Kidneys

Tony Henwood

Histopathology Department

The Children's Hospital at Westmead, Sydney

Recently at the NSW Health Pathology Anatomical Pathology Clinical Stream Meeting, there was a discussion paper on protocols **for the rapid examination of potential donor kidneys in the marginal donor.**

Dr Kate Wyburn Chair of The NSW Transplant Advisory Committee and a renal physician at RPAH requested that we adopt a uniform policy for providing a service to examine potential donor kidneys from donors with possible renal pathology, to assist in making a decision as to their suitability of transplantation. In these cases information from a renal biopsy often helps with the decision of whether the donation is accepted, rejected or even transplant both kidneys into a single recipient. The decision rests with the transplant team rather than the pathologist, as other factors such as the state of the renal arteries at the anastomosis site for instance are also important. The information required should be within the compass of any anatomical pathologist and does not require specific skills in renal pathology. In most cases the biopsy is a narrow core biopsy which is difficult to examine on frozen section due to embedding and it can be difficult to assess tubular or interstitial changes on frozen sections. A rapid 3 hour processed paraffin section is usually preferable unless the biopsy happens to be a large wedge. Rapid paraffin section is the common practice in the USA where marginal donors are very common.

In practice these have been uncommon requests but lack of an established protocol has led to some suboptimal outcomes, delays

and disagreements. A protocol was proposed that includes the rapid processing of the biopsies (3 hours) by the hospital where the kidneys are being harvested.

So, since we histotechnologists are a proactive bunch, how can we prepare our labs for such requests? Using our trusted, routine processors the best we can do is probably about 2 hours, discounting formalin fixation, which I would recommend be at least 1 hour. This would suit a 1-1.5mm diameter core biopsy. If a wedge biopsy is taken (thicker than 2mm) then processing time would probably increase by at least 30%.

For the last 13 or so years, we have been using microwave fixation and processing to rapidly process transplant and routine kidney and liver biopsies. This process involves 5 minutes with isopropanol and 10 minutes with wax, preceded by a 2-3 minutes rinse in 80% ethanol. The time saving in processing is utilised in the fixation step, allowing from 30 to 50 minutes fixation with microwave assistance. In the above donor kidney scenario, since immunofluorescence and electron microscopy would not be required, the renal biopsy can be immediately placed in 10% NBF, requiring less laboratory fixation time (there is also less chance of pre-fixation tissue drying that unfortunately can occur now and then).

Now what is our current knowledge of microwave processing?

The potential application of microwave technology to histotechnology was first recognized in 1970 by Mayers¹. Since then several investigators have presented their success with rapid microwave fixation and processing of renal biopsies (2, 6).

Microwave energy is part of the electro-magnetic spectrum, of similar frequency to radar beam energy, and at a frequency of 2,450 megacycles per second penetrates several centimeters into biological material. This energy is absorbed and converted into heat within the tissue. In effect microwave energy is an alternating electro-magnetic field, the direction of which changes 2,450,000,000 times every second. Dipolar molecules, such as water, present in the field, are forced to oscillate at this frequency and this increases their thermal agitation and generates heat. The amount of heat produced

within the tissue can be controlled by adjustment of the energy level and the duration of exposure (1). It has also recently been shown that microwave energy increases diffusion of salts in water (5).

Microwave processing follows the same procedure as routine paraffin wax processing. Water in the tissue is replaced with wax via dehydration and clearing.

Core biopsies are microwaved in 10% neutral buffered formalin for as long as possible since we have found that success hinges on better than adequate fixation. Since microwave processing is such a short procedure, this permits a more rapid completion of fixation before the initiation of histologic processing (6).

The process, using the Milestone Kos is as follows:

Step	Process	Time	Temperature
1	Ramp	3min	35°C
2	Fixation	22min	35°C
3	Ramp	3min	50°C
4	Fixation	22min	50°C

Tissues are then dehydrated in ethanol. For thicker cores (more than 1mm in diameter) microwave assistance can be used but it is important to not let the ethanol boil. It is important when using this method that the ethanol is not allowed to boil (more than 70°C). Accurate temperature feedback control is important and if available should be set to 65°C for five minutes. For thinner biopsies, a 2-3 minute rinse in 70% is sufficient.

Further dehydration and “clearing”, for want of a better word is achieved using iso-

propanol. Iso-propanol is not, technically, a clearing agent and is not an efficient clearing agent. For it to work as such, it has to be evaporated out of the paraffin. Isopropanol dissolves wax very slowly. It works in microwave processing because the paraffin is heated above the boiling temperature of isopropanol (82°C at room temperature). As iso-propanol is evaporated from the tissue it is replaced with molten wax (4, 6).

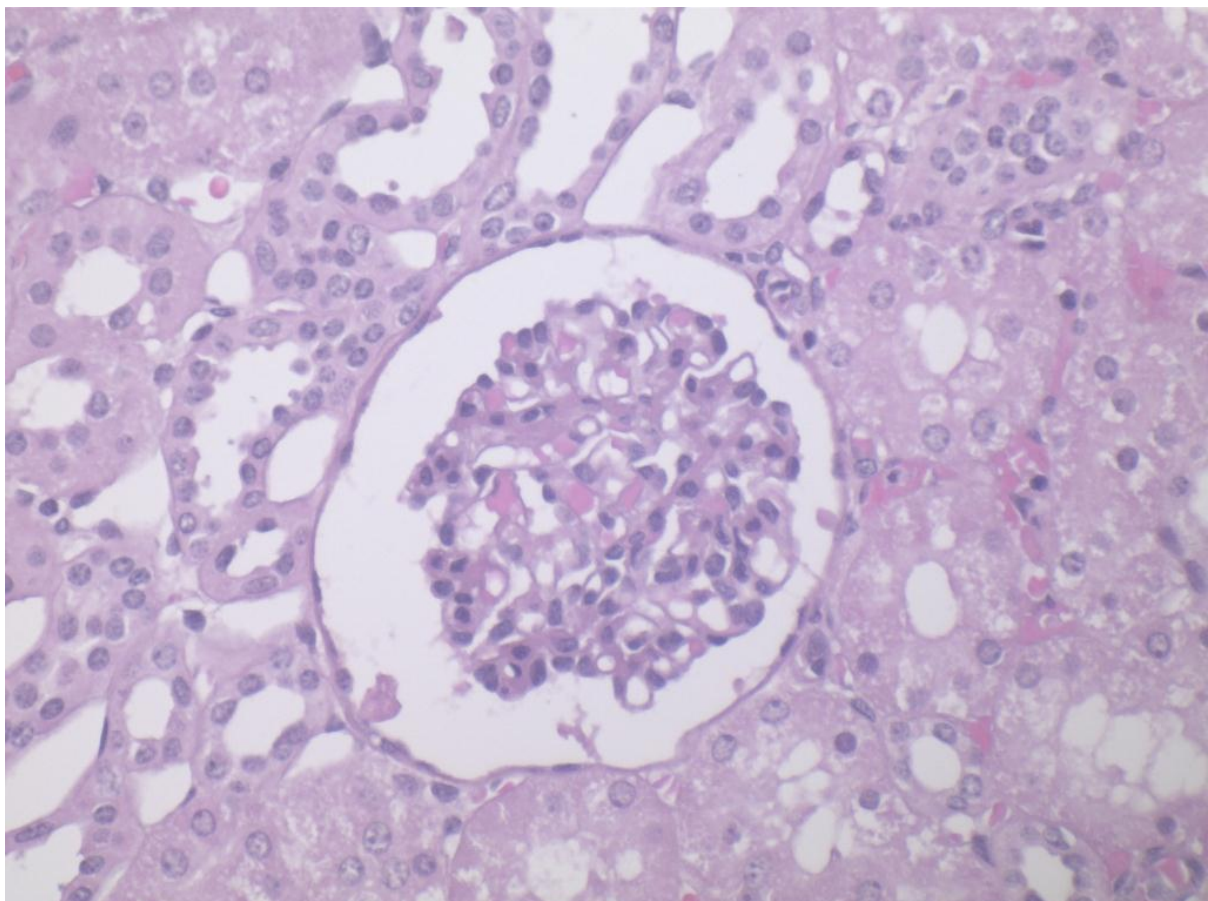
Step	Process	Time	Temperature
1	Ramp	3min	69°C
2	Clear	4min	69°C

The final step is wax impregnation. After a rinse of the cassette containing the core biopsy in wax, it is placed in a wax-containing microwavable vessel and processed at a temperature of 69°C. Wax is considered microwave transparent because it remains unaffected when exposed to microwave

energy. Other substances, such as metal, will reflect microwaves, causing heat to be produced (3). A metal ring is usually placed at the bottom of the wax container and acts to reflect microwave energy as heat, maintaining the molten wax.

Step	Process	Time	Temperature
1	Ramp	3min	69°C
2	Clear	4min	69°C

Figure: Microwaved Processed Kidney Biopsy, H&E



References:

1. Mayers, C. P. (1970). Histological fixation by microwave heating. *Journal of clinical pathology*, 23(3), 273-275.
2. Emerson, L. L., Tripp, S. R., Baird, B. C., Layfield, L. J., & Rohr, L. R. (2006). A comparison of immunohistochemical stain quality in conventional and rapid microwave processed tissues. *American journal of clinical pathology*, 125(2), 176-183.
3. Willis D, Minshew J (2002) "Microwave Technology in the Histology Laboratory" *Histologic* 35(1):1-5
4. Naik, S., Patel, S., Astekar, M., & Rao, D. (2012). Comparison of clarity of nucleocytoplasmic differentiation of oral tissues processed by microwave and conventional methods. *Annals of diagnostic pathology*, 16(2), 128-133.
5. Hinrikus, H., Lass, J., Karai, D., Pilt, K., & Bachmann, M. (2014). Microwave effect on diffusion: a possible mechanism for non-thermal effect. *Electromagnetic biology and medicine*, (0), 1-7.
6. Rohr, L. R., Layfield, L. J., Wallin, D., & Hardy, D. (2001). A Comparison of Routine and Rapid Microwave Tissue Processing in a Surgical Pathology Laboratory Quality of Histologic Sections and Advantages of Microwave Processing. *American journal of clinical pathology*, 115(5), 703-708.

Enjoyed Orange Conference?

*How about
Port Macquarie?*

*September 30th to October 2nd
2016*

See next page...

Joint State Conference 2016



Histotechnology Group of
Queensland



HISTOTECHNOLOGY SOCIETY OF NSW



Joint State Conference 2016

September 30th to October 2nd

Venue: Panthers Port Macquarie

For Registration & Program

Watch the space...

Mark the date in your diary



Histotechnology Group of
Queensland

Life Membership Presentation at AGM



Life Membership of the Histotechnology Society of NSW Inc presented to Mr Grant Taggart for his unwavering dedication to the society over the years

Grant has provided highly meritorious service to the Histotechnology Society of NSW over an extended period of time. Grant is a foundation member of our Society and has been involved on the committee since its inception in 1981.

Over this period Grant has been editor for 5 years and a committee member. He has been actively involved in organising seminars, workshops and conferences as well as providing valuable input into our committee meetings.

Grant arranged for our committee meetings and seminar presentations at the Douglas Hanley Moir facility at Macquarie Park following the unavailability of the rooms at the Division of Forensic Medicine at Glebe. We have been using these facilities for about 10 years and Grant continues to work with DHM in providing meeting/seminar rooms and workshop facilities at no cost to our society.

At many of our functions he has provided food and wine without cost to our Society. Grant can be regarded as a passionate supporter of Histology.

Grant's activities have exceeded what is normally required for the committee positions he has held. It is our committee's pleasure to nominate Grant Taggart for life membership for his highly meritorious service to the Histotechnology Society of NSW.

Trevor's Diamond 70th – I'm not old, I'm Vintage

Our Chairman, Trevor Hindwood, recently celebrated his 70th birthday.

Well I have known Trevor for probably close to 35 years.

Yes we have similar surnames. Many times I have been called Trevor and many times I tell them "Trevor is the good looking one, over there"

After the 2006 AGM, Trevor was railroaded into the position of Chairman of the NSW Histotechnology Group (our former name) and the Society has not looked back since.

I have to tell you that this is often a thankless task. In several committee meetings his role was more like a Sargent at arms, microtome blades at ten paces but with gracious aplomb and unwavering diplomacy, including telling me to shut-up, world war 3 is averted.

Trevor, as State Chairman, oversaw one of the most successful and affordable National Scientific Meetings I have ever attended.

Trevor asked me whether I could run a workshop at this meeting.

How could I say no?

So I gave him a choice of two, Either OR NOT AND.

Two days later, I saw the proposed timetable; the sod had pencilled me in for both. OK my staff and I can do this.

Within 5 days of the workshop enrolments opening, before we had time to scratch, both workshops were over-subscribed. Trevor's response, No worries mate – you can do this. Ah, being in two places at the same time, Granville TAFE and Rose Hill Racecourse, at least I might be able to pinch a race-horse. Trevor's response – "I'm on to it".

Now Trevor is known to throw himself into his work and not afraid to get his hands dirty. Well at the same National Meeting, Trevor broke his arm. Did that stop him? No and inconvenience at best. He continued to run that meeting with an Iron fist, well a plaster one anyway.

He was also seen dancing on the Saturday night dinner. Unfortunately a broken arm did not improve his dancing, though the white cast did remind us of Michael Jackson

At our recent State Meeting in Orange, Trevor had us doing a laboratory workshop in a Pub. Our

delegates all the way from Singapore and Saudi Arabia, now have a warped sense of how we do Pathology in Australia. While the tests are incubating away, these Australians, walk out the door, drink beer, play the pokies and when their timer goes off they walk back in, to finish the tests. They called this a most civilised way to do Pathology.

Trevor not only donates his valuable time and resources to the Society but he is also heavily involved in the Microscopic Society of Australia (I believe Chairman as well) and a technical official with Athletics Australia including his beloved Little A's.

Now as we celebrate Trevors 70th birthday, I would also like to remember, Trevor's brother Barry, who I know Trevor surely misses. Barry was head teacher at Sydney Institute of Technology and the author of an excellent text entitled "A Textbook of Science for the Health Professions", a book he dedicated to his daughters. I still use this text when teaching my staff and it is worth its weight in Gold.

A few years ago, we noticed that Trevor seemed to look younger. Was it Botox, or a hair transplant, or had he been tinkering in the lab again?

No he had become a Grandfather, he looked younger, filled with an embarrassing energy and zest for life.

Happy birthday Trevor.

From Tony Henwood ☺

