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**Notice to Students:** Although course syllabi at MSUCOM have a consistent format, vitally important details differ by course. For this reason, you must read the syllabus thoroughly at the onset of each course to know what the course will provide and what is expected of you.
Section 1 – Course Information

Course Description
Care for the Young and the Aging Adult III is a 1 credit hour course.

Pediatric:
The goal of the pediatric curriculum is to provide students with a firm fund of knowledge regarding normal pediatric growth and development and pathologic conditions that affect children. The physical, physiologic, and psychosocial aspects of childhood will be explored and applied in the clinical setting with the ultimate goal of providing children with quality osteopathic care.

Geriatric:
The goal of the geriatric curriculum is to provide students with a firm fund of knowledge regarding the goals of care in the aging adult: symptomatic relief versus cure in the aging adult and a focus on improving quality of life.

Course Goals

Pediatric Goals:
The goal of the pediatric portion of the Young and Aging Adult course in Semester 4 is to provide the students with an overview of specific diseases and conditions that affect children within the following systems: gastrointestinal and integumentary. Due to the integrative nature of the curriculum, some of this content will be taught and evaluated by systems-course faculty. The following are objectives for lectures that comprise the pediatric portion of this course.

ABDOMINAL PAIN LECTURE

1. Be able to develop a differential diagnosis list for abdominal pain- Both a generalized list for non-GI etiologies and specific for GI etiologies.
2. Know the incidence of abdominal pain.
3. Know the difference between chronic and acute abdominal pain.
5. Know the alarming factors in the history, physical and labs that help differentiate organic abdominal pain from functional abdominal pain.
6. Know the important history findings, physical findings, laboratory testing, and diagnostic tests in the evaluation of abdominal pain.
7. Understand the following diseases which cause abdominal pain including their specific presentations, diagnostic findings and treatment:
   a. Constipation (see constipation lecture)
   b. Appendicitis
   c. Intussusception
   d. Malrotation/volvulus
   e. Trauma
   f. Gastroenteritis
g. Infant Dyschezia (see constipation lecture)
h. Infant Regurgitation
i. Chronic Recurrent Abdominal Pain
j. Celiac Disease
k. Inflammatory Bowel Disease
l. Carbohydrate malabsorption
m. Colic
n. Irritable bowel syndrome
o. Hirschsprung disease/Chronic intestinal pseudo-obstruction

**CONSTIPATION LECTURE**

1. Know the definition and incidence of constipation in children
2. Know the normal frequency of bowel movements by age
3. Describe the problems associated with constipation
4. Know the definition of Encopresis
5. Name the times of life which trigger constipation in children
6. Know the alarming signs which indicate worrisome etiologies for constipation
7. Understand and name the Rome III criteria for functional constipation
8. Name the history and physical findings important in the evaluation of constipation
9. Be able to name a differential diagnosis for organic and non-organic etiologies of constipation
10. Be able to discuss the treatment of constipation from mild to severe
11. Be able to determine the etiology of some of the organic causes of constipation (listed below) based on a case study presentation.

   a. Hirschsprung disease
   b. Cow’s milk allergy
   c. Neurogenic constipation-myelomeningocele or tethered cord
   d. Cystic Fibrosis
   e. Metabolic abnormalities

**DIARRHEA LECTURE**

1. Diarrhea:
   a. Define
   b. Distinguish acute vs chronic diarrhea
   c. Epidemiology
   d. Be familiar with normal bowel habits of children
   e. Understand the pathophysiology of the various mechanisms of diarrhea
2. Know the important components of an age appropriate history and physical for a patient presenting with diarrhea
3. Know that infectious gastroenteritis is one of the most common cause of diarrhea in children
4. Be familiar with Toddlers diarrhea
5. Be able to describe the presentation/clinical manifestations, diagnosis, and management of antibiotic associated diarrhea
6. Understand the etiology, presentation, diagnosis, and management of Celiac Disease
7. Be familiar with the various forms of lactose intolerance and their respective clinical manifestations, diagnosis and management
8. Understand the nature of diarrhea as symptom of various conditions; IBD, IBD, and CF

VOMITING LECTURE

1. Define vomiting and understand the pathophysiology
2. Be familiar with the key elements of a H&P in a pediatric patient with vomiting
3. Know the common features of infectious gastroenteritis
4. Describe the clinical presentation of pyloric stenosis, the diagnosis and treatment
5. Be familiar with the natural history of infant GERD, diagnosis, management
6. Be familiar with various causes of intestinal obstruction in infants and children
7. Recognize that vomiting can be a sign of systemic infection
8. Understand that vomiting can be triggered by toxic ingestions

LEARNING OBJECTIVE FOR “A DAY OF DERMATOLOGY IN THE PEDIATRIC CLINIC OFFICE”

By the end of this discussion, you should be able to

1. Develop, practice, and apply a structured approach to skin lesions in children in order to separate emergencies in a timely way from non-emergent conditions.
2. Suspect by history of the patient and the nature of the skin lesion(s) noted, the presence of non-emergent but important systemic conditions.
3. Identify situations in which overlying skin lesions may signal a serious anatomical malformation beneath.
4. Diagnose, by its clinical presentation, the itch which rashes (atopic dermatitis) and its associated conditions.
5. Distinguish pityriasis alba from pityriasis versicolor by characteristic locations.
6. Distinguish among common self-limited and dangerous disorders of newborn skin
7. Distinguish among the most common causes of diaper dermatitis.
8. Use the principal tools of dermatological diagnosis (primary lesion, secondary lesion, color, arrangement, and distribution) to diagnose common infectious pediatric skin conditions.
9. Sort out the most common skin infestations of children.

Geriatric Goals:
Can be found in Ham’s Text

1. Chapter 30 -- Pressure Ulcers
2. Chapter 24 – Constipation
3. Chapter 54 -- Dermatology
Please note that specific instructional objectives are provided within each lecture of this course.

**Course Coordinator**
*(Note - Preferred method of contact is shown in italics)*

<table>
<thead>
<tr>
<th>Name: Melissa Rosenberg, MD</th>
<th>Name: Francis A. Komara, DO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone: 517-353-3100</td>
<td>Phone: 517-353-2960</td>
</tr>
<tr>
<td>Email: <a href="mailto:Melissa.Rosenberg@hc.msu.edu">Melissa.Rosenberg@hc.msu.edu</a></td>
<td>Email: <a href="mailto:komara@msu.edu">komara@msu.edu</a></td>
</tr>
<tr>
<td>Address: 547 W. Fee Hall, East Lansing, MI 48824</td>
<td>Address: 211 B W. Fee Hall, East Lansing, MI 48824</td>
</tr>
</tbody>
</table>

**Course Faculty**

**Pediatric**

All pediatric faculty are located in East Lansing on the 5th floor of West Fee Hall. The phone number contact for all faculty is 517-353-3100. Email contact is the preferred means of communication with faculty and staff.

<table>
<thead>
<tr>
<th>Name: Joel Greenberg, D.O.</th>
<th>Name: Steve Williams, M.D.</th>
<th>Name: Christopher Pohlod, D.O.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email: <a href="mailto:Joel.Greenberg@hc.msu.edu">Joel.Greenberg@hc.msu.edu</a></td>
<td>Email: <a href="mailto:hiramcatfish@gmail.com">hiramcatfish@gmail.com</a></td>
<td>Email: <a href="mailto:pohlodch@msu.edu">pohlodch@msu.edu</a></td>
</tr>
</tbody>
</table>

**Geriatic**

<table>
<thead>
<tr>
<th>Name: Rosemary Tolson, D.O.</th>
<th>Name: Annette Carron, D.O.</th>
<th>Name: Qing Ping Wang, M.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email: <a href="mailto:tolsonro@msu.edu">tolsonro@msu.edu</a></td>
<td>Email: <a href="mailto:Egreen01@att.net">Egreen01@att.net</a></td>
<td>Email: <a href="mailto:wangq@msu.edu">wangq@msu.edu</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name: Edward Rosick, D.O.</th>
<th>Email: <a href="mailto:rosick@msu.edu">rosick@msu.edu</a></th>
</tr>
</thead>
</table>

**Curriculum Assistants**

<table>
<thead>
<tr>
<th>EL</th>
<th>DMC</th>
<th>MUC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name: Alex Seddon</td>
<td>Rosemary Shubeck</td>
<td>Simone Jennings</td>
</tr>
<tr>
<td>Phone: 517-432-7295</td>
<td>517-884-9667</td>
<td>586-263-6746</td>
</tr>
<tr>
<td>Email: <a href="mailto:Alexander.Seddon@hc.msu.edu">Alexander.Seddon@hc.msu.edu</a></td>
<td><a href="mailto:Rosemary.Shubeck@hc.msu.edu">Rosemary.Shubeck@hc.msu.edu</a></td>
<td><a href="mailto:Simone.Jennings@hc.msu.edu">Simone.Jennings@hc.msu.edu</a></td>
</tr>
</tbody>
</table>

**Lines of Communication**

- For administrative aspects of the Course: contact the **Curriculum Assistant** at your site.
- For content questions relating to a specific lecture or topic: contact the faculty presenter for that specific portion of the course or your SE MI on-site instructor.
- For absences/missed exams (see excused absence information below)

**Office Hours**

**Pediatrics**

Questions concerning pediatrics may be discussed individually by making an appointment with Dr. Melissa Rosenberg, 547 B West Fee Hall, by phone at 517-353-3100 or e-mail: Melissa.Rosenberg@hc.msu.edu. Dr. Rosenberg is available on a limited basis by appointment.
Geriatrics

Questions concerning geriatrics may be discussed individually by making an appointment with Dr. Francis Komara, 211 B West Fee Hall, by phone at 517-353-2960 or e-mail: komaraf@msu.edu. Dr. Komara is available during limited hours.

Course Web Site

The URL for the Course web site is https://d2l.msu.edu/
The course D2L site has these MAIN sections:

- **Announcements** – Course-related communication to the class will be made here. You should check for announcements on a daily basis.
- **Syllabus** - Information about textbooks, exam dates, grading system, rules and regulations, etc. as well as information on the instructional team.
- **Course Content** – Geriatric content will be available on the D2L course website. Pediatric content will be available in the OST 568 Course Pack. Case study and workshop materials will be distributed during each session; please see the course schedule on page 9 of this syllabus for specific case session and lecture information. Lecture recordings, tutorials (TT), self-study modules (SSM), and all other course-related materials will be deposited here.

Textbooks and Reference Materials

<table>
<thead>
<tr>
<th>Required</th>
<th>Recommended</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>OST 568 Course Pack</td>
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</tbody>
</table>

**i>Clicker Use in Course**

i>Clickers will be not used in this class.
**Course-based Academic Support**

The value you derive from this course (and those that follow it) will depend on many factors, but most importantly the amount of time and effort you put into it. In undergraduate courses, students often concentrate on just getting through the next exam or individual courses. But medical education is different because it is cumulative. Study for understanding, not just short term memorization. This will allow you to understand concepts and carry them forward with you to the next step in your medical education.

You are strongly urged to: Consult the course D2L web site frequently to see announcements and to access various study aids (e.g., follow-up to in-lab problem sets, practice exam questions, and answers to frequently asked questions).

- Complete the preparatory work assigned for each lab and lecture session; this includes working through the online modules, problem sets or any other advance study activities.
- Actively annotate your Course Pack as you prepare for each class session, as each class session progresses, and also during your follow-up study.
- Complete the follow-up (supplemental) reading and self-study exercises as directed in the Course Pack and on the D2L web site.
- Each member of the teaching team has a well-deserved reputation for being approachable and for helping students achieve success. Avail yourself of the opportunities for help provided by the course faculty -- in person, via e-mail, and at scheduled help sessions or call them to schedule an appointment time.
- The time immediately before or after a course lecture is often too hectic to provide a good opportunity to get help from course instructors. By contrast, lab sessions (especially at the end when some of the students have already departed) or scheduled office appointments provide an excellent time to ask questions of course faculty.
- Keep in mind that you can contact course faculty by e-mail with your questions. Note: Whenever you pose a question by e-mail, include what you THINK the answer is. This makes it much easier for the instructor to either confirm your understanding and/or offer clarification.
- Face-to-face contact with faculty at lecture sessions -- In addition to the faculty person giving a lecture, one or more of the course faculty regularly sit in on course lecture sessions at each site. This provides you with an opportunity to pose a quick question or to request a personal meeting with your local campus faculty. E-mail is also a good way to set up a personal meeting with a particular faculty member.
- Study groups - Many students find it beneficial to study with one or more partners, and we strongly encourage this activity. Studying together can be efficient (what one student doesn't understand, another one will), stimulating (personal interaction can help keep you focused and alert), and motivating (commitment to a partner supplements self-discipline). We encourage you to study with suitable partners. We caution you, however, to avoid study groups that turn into "gab fests" or where one or two students do all the talking. Remember, you may THINK you understand a concept when you hear someone else explain it, but you'll KNOW you understand the concept only when YOU can explain it to someone else. So, make sure you get to talk in your study group!
- Caution: Scribe note services are not sanctioned by MSUCOM and are not endorsed by the course faculty. Course faculty assume no responsibility whatsoever for errors in the "scribe notes". It is unwise to expect the "scribes" to substitute for your own attendance in lecture or lab, your own note taking, or your own studying.
- Additional academic support resources can be accessed at: [http://com.msu.edu/Students/Academic_Development/index.htm](http://com.msu.edu/Students/Academic_Development/index.htm)
In summary, the course faculty are here to facilitate your learning. The large number of students in this course (about 300) necessitates a degree of formality. Also, since your schedules are very full, we must adhere rigidly to the lecture, small group and lab times assigned to this course. However, within these constraints, the needs of individual students will be accommodated whenever possible. Please feel free to contact the Course Coordinator with any personal issues you may have involving this course.

Course Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Origination</th>
<th>Title</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/6/15</td>
<td>8:00-8:50AM</td>
<td>ONLINE</td>
<td>Pediatric Abdominal Pain</td>
<td>Dr. Greenberg</td>
</tr>
<tr>
<td>7/6/15</td>
<td>9:00-9:50AM</td>
<td>ONLINE</td>
<td>Pediatric Constipation</td>
<td>Dr. Greenberg</td>
</tr>
<tr>
<td>7/13/15</td>
<td>8:00-8:50AM</td>
<td>ONLINE</td>
<td>Pediatric Diarrhea</td>
<td>Dr. Root</td>
</tr>
<tr>
<td>7/13/15</td>
<td>9:00-9:50AM</td>
<td>ONLINE</td>
<td>Pediatric Vomiting</td>
<td>Dr. Root</td>
</tr>
<tr>
<td>7/13/2015</td>
<td>10:00-10:50AM</td>
<td>ONLINE</td>
<td>Read Chapter 30 in Ham’s Pressure Ulcers</td>
<td>Dr. Komara</td>
</tr>
<tr>
<td>7/13/2015</td>
<td>11:00-11:50AM</td>
<td>ONLINE</td>
<td>Geriatric Constipation, Incontinence, and Fecal Impaction</td>
<td>Dr. Komara</td>
</tr>
<tr>
<td>7/14/2015</td>
<td>9:00-9:50AM</td>
<td>EL E105/E202 MUC UC3 209 DMC G029</td>
<td>A Day at the Pediatric Dermatology Clinic</td>
<td>Dr. Williams</td>
</tr>
<tr>
<td>7/14/15</td>
<td>10:00-10:50AM</td>
<td>ONLINE</td>
<td>Geriatric Dermatology</td>
<td>Dr. Messenger</td>
</tr>
<tr>
<td>7/16/15</td>
<td>8:00-8:50AM</td>
<td>ONLINE</td>
<td>MUST REVIEW Chapter 30 AND PRESSURE ULCER ONLINE MODULE FOR Pressure Ulcer Workshop On D2L</td>
<td>Dr. Komara</td>
</tr>
<tr>
<td>7/29/15</td>
<td>9:00-12:00PM</td>
<td>Local EL E105/E202 MUC UC3 209 DMC G029</td>
<td>Final Exam</td>
<td></td>
</tr>
</tbody>
</table>

Exams/Assessments

There will be a total of 1 exam given in Care of the Young and Aging Adult III this year. Your accumulated score on these exams will determine your grade in the course. The examination schedule is as follows:

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Projected Points</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geriatric Dermatology Quiz D2L</td>
<td>5</td>
<td>ONLINE D2L quiz</td>
</tr>
</tbody>
</table>
Geriatric Pressure Ulcer Workshop (On D2L) | 10 | Interactive D2L workshop
---|---|---
Geriatric Constipation, Incontinence & Fecal Impaction D2L quiz | 5 | ONLINE D2L quiz
Unit Exam | 24-32 | All Materials Covered from Geriatric and Pediatric courses

**Unit Exam Answer Keys**
Unofficial unit exam answer keys will be posted on D2L following the written unit lecture exams so that students who completed their “tear off” sheet during the allotted exam time can receive feedback on their scores on their exam day. Faculty will then review the statistical reports for each question to determine if a re-score is required (e.g. one or more answers are correct). The grades will be set and the OFFICIAL answer key will replace the unofficial key on D2L and student scores will be finalized. There are no student grade inquiries or challenges accepted for any question on the unit lecture exams. Decisions about exam questions are made based upon statistical analysis. These exams will be posted for student viewing during the exam review display session (see Google calendar).

**Course Grades**
- **P-Pass**—means that credit is granted and that the student achieved a level of performance judged to be satisfactory by the instructor. To obtain a “P” grade for this course, a student must obtain 70%.
- **N-No Grade**—means that no credit is granted and that the student did not achieve a level of performance judged to be satisfactory by the instructor. A student who accumulates less than accumulated score below 70% will receive a “N” grade.
- Remediation - Since all of the courses in the MSUCOM curriculum are required, any student receiving an “N” grade must remediate the course. Please refer to the remediation policy information provided in Section 2 of this syllabus for information on College requirements and eligibility determination.

**Student Evaluation of the Course**
We want your feedback on how to improve this course.
- Informal Feedback: Feel free to approach the Course Coordinator(s), Dr. Komara & Dr. Rosenberg, or any of the other course faculty with your reactions and suggestions. Or write out your comments and email them to the Course Coordinator or Faculty. From time to time, we may also convene focus groups of students, as an additional way to elicit your opinions and suggestions.
- Formal Evaluation: In addition to the above, we ask every student in the class to complete formal on-line course evaluation upon conclusion of the course. Student course evaluations are highly recommended. Student feedback provides Course Coordinators with valuable information regarding their performance, the performance of their colleagues, and the quality of the course. The information gained from these evaluations is used to continuously improve future offerings of this course. Students can access the evaluation system at:
Academic Honesty and Professionalism

http://com.msu.edu/Students/Professional_Development/Statement_on_Professionalism.htm

Each individual student is responsible for their behavior and is expected to maintain standards of academic honesty and professionalism. If any instance of academic dishonesty (cheating, plagiarism, etc.) is discovered by an instructor, it is his or her responsibility to take appropriate action. Such action may include giving a failing grade to the student in the course and/or referring the student for judicial review and possible disciplinary action, which may include disciplinary suspension or dismissal from the College.

Attendance/Excused Absence

In accordance with the MSU All-University Policy on Attendance, MSUCOM does not have a regulation requiring class attendance. However, the College understands and supports the need and the right of the faculty to expect student attendance and participation in many curricular components with consequences if the student is not attending. In the spirit of professional behavior, MSUCOM students are expected to attend required class sessions (e.g., lectures, laboratories) and take all examinations during their originally scheduled times. If this is not possible, the student must obtain an excused absence. To obtain an excused absence, you need to make the following contact, as appropriate, prior to the scheduled administration of the examination(s).

- **Personal Emergencies:**
  (e.g., death in family, serious illness (acute), hospitalization, automobile difficulties).
  - EL - Dr. Falls, Associate Dean for Student Services  (517) 353-8799
  - DMC - Dr. Willyerd, Associate Dean  (313) 578-9600
  - MUC - Dr. Hortos, Associate Dean  (586) 263-6731

- **Where there is advance notice of absence:**
  To obtain an excused absence, you need to make one of the following contacts as appropriate:
  - EL - Dr. Falls, Associate Dean for Student Services  (517) 353-8799
  - DMC - Dr. Willyerd, Associate Dean  (313) 578-9600
  - MUC - Dr. Hortos, Associate Dean  (586) 263-6731

For advance notice absences, a student must submit his/her excused absence request at least one week in advance of the scheduled mandatory class session(s) or examination(s). Wedding, family celebrations, vacations, conferences, etc are not considered acceptable excuses. If an examination or other required experience is missed due to medical reasons, an attending physician’s written confirmation will be required in order for the absence to be excused.

i>Clicker Policy

http://www.com.msu.edu/Students/Policies_and_Programs/iCLICKER_Policy.htm
You are expected to have your i>Clicker registered prior to the beginning of this class. You are responsible for bringing your i>Clicker to every class with you. Class will proceed as planned, even if you have forgotten to bring your i>Clicker with you. Paper completion of i>Clicker activities will not be accepted as a substitute for the i>Clicker response. Please make sure that your i>Clicker is always in working order.

As a matter of professionalism, please note that under no circumstances should you loan your i>Clicker to another student. Nor should you ever be in the possession of an i>Clicker other than your own. Answering questions or checking in for attendance on behalf of another student by using his or her i>Clicker is considered to be an act of dishonesty and may result in dismissal from the college.
Remediation Policy
http://www.com.msu.edu/Students/Registrar/Policies.htm

Remediation of an “N” grade will be governed by the MSUCOM Policy for Retention, Promotion and Graduation (relevant content found under Remediation section),
(http://www.com.msu.edu/Students/Policies_and_Programs/Remediation_Policy.htm) and by the remediation section of each course syllabus.

It is the responsibility of each student in the Michigan State University College of Osteopathic Medicine to verify his/her eligibility, with the Office of Student Services, prior to the administration of the remediation examination/experience.

Students deemed eligible for remediation by the registrar will be informed by the Course Coordinators. Information on remediation format, date and time will be provided then.

All remediation exams for Semester 4 courses are scheduled for the afternoon of Friday, August 28, 2015.

Requests for Special Accommodations
Michigan State University is committed to providing equal opportunity for participation in all programs, services and activities. Requests for accommodations by persons with disabilities may be made by contacting the Resource Center for Persons with Disabilities at 517-884-RCPD or on the web at www.rcpd.msu.edu. Once your eligibility for an accommodation has been determined, you may be issued a Verified Individualized Services and Accommodation (VISA) form. Please present the VISA to Cheryl Luick, luick@msu.edu A-331 East Fee Hall at the start of the term and/or two weeks prior to the accommodation date (test, project, labs, etc.). Requests received after this date will be honored whenever possible.

It is the responsibility of the Student with Accommodations to contact the Course Coordinator and the Curriculum Assistant in your location, two weeks prior to the start of the term, or two weeks prior to the schedule assessment event. Requests received after this date will be honored whenever possible.

It is the responsibility of the student to submit or have submitted an updated version of their accommodations to Cheryl Luick each semester that a student plans to use their accommodations.