



# ESPEN Workshops

## Good Pharmaceutical Practices for Parenteral Nutrition Compounding

19-20 October 2018  
Stanley Dudrick Hospital

Skawina | Cracow | Poland

### REPORT 2018

This year on 19– 20<sup>th</sup> October 2018 held 3<sup>rd</sup> ESPEN Workshops Good Pharmaceutical Practices for Parenteral Nutrition (PN) Compounding.

Course brought together 10 participants from five different countries (Belgium, Cyprus, Czech Republic, Malta and Poland) interesting in PN compounding.

Once again speakers of the course were:

Prof. Stanislaw Klek , PhD István Telessy, Peter Austin, Justyna Zamarska, Witold Brniak and organizer Magdalena Pietka. Furthermore, first time this year to the team joined Dominika Stepska-Bodzon.

During the course the following topics were realized:

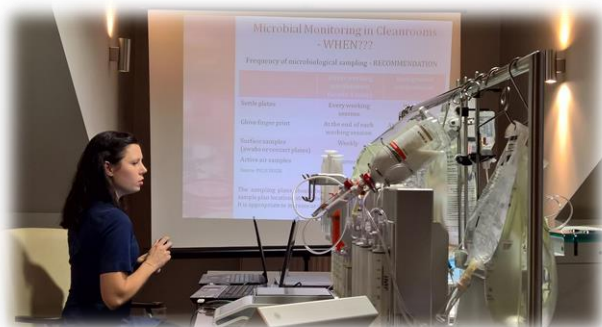
- Patient PN requirements, components of PN formulas, compatibility of medications with parenteral nutrition;
- Review and verification of parenteral nutrition orders (common types of PN prescribing errors, improvements in the PN Order Review and Verification Process);
- Parenteral nutrition labelling (adults, pediatrics, neonates),
- Parenteral nutrition compounding (common types of PN incompatibility issues, the roles of GMP in the PN safety, strategies used to avoid PN errors with automated compounding devices).

Once again sharing ideas, practical experiences and knowledge between speakers and participants and “hands on” training were the most important element of ESPEN Workshop Good Pharmaceutical Practices for Parenteral Nutrition Compounding.

According to the opinion of the participants of previous editions this years we have included more workshops into the program and we had a total of 7 workshops during two days. All lectures (& accommodation) on Friday and Saturday take places in the Park Inn Hotel (address: Monte Cassino 2, PL-30337 Krakow), which is located only 50m from the ICE Congress Centre (ESPEN 2019 – Venue) as well as in close proximity to the city’s main attractions, such as the Wawel Royal Castle, the Kazimierz Jewish district, the Old Town, and the Vistulan Boulevards.



On Friday Workshops were held at the Stanley Dudrick Hospital in Skawina, where all delegates visited Pharmacy Compounding Unit, obligatory joined to the workshop Aseptic Gowning and passed 1 hour “training on the job” in clean room area. Additional two from three workshop were to choice. At Saturday the participants performing calculation of PN orders and present their experience in clinical nutrition. For details see program below.



# Programme

**Friday 19.10.2018**

**12.00** Opening welcome and structure of the course -  
Magdalena Pietka, Skawina, Poland

**12.15** Understanding Patients Parenteral Nutrition  
(PN) Requirements – Magdalena Pietka, Skawina,  
Poland

**12.45** Order screening: critical control points of  
stability - István G Télessy, Pécs, Hungary


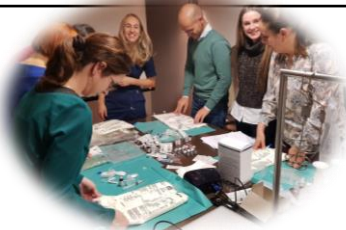
**13.15** Quality control: in-process or end-product  
testing of PN? – Peter Austin, Southampton, United  
Kingdom

**13.45** Lunch

**14.30** Transfer to Skawina



<b>16.00</b>	Group A	Magdalena Pietka, Skawina, Poland	<ul style="list-style-type: none"> <li>Exiting and entering clean room</li> </ul>
<b>17.00</b>	Group B	Witold Brniak, Skawina, Poland	<ul style="list-style-type: none"> <li>Correct procedures in cleanroom</li> </ul>
<b>18.00</b>	Group C	Dominika Stepska- Bodzon Skawina, Poland	<ul style="list-style-type: none"> <li>Compounding PN admixtures</li> </ul>

1	Aseptic Gowning for the Cleanroom		<b>15.00</b>	Magdalena Pietka, Skawina, Poland Group A,B,C
2	Different automated compounding devices		<b>16.00</b>	Witold Brniak, Skawina, Poland Group B and C
3	Microbiological testing		<b>17.00</b>	Dominika Stepska-Bodzon Skawina, Poland Group A and C
4	Standardized commercial multi chamber bags		<b>18.00</b>	Justyna Zamarska, Cracow, Poland Group A and B

# Programme

## Saturday 20.10.2018

**9.00** The risk of microbial contamination - Austin, Southampton, United Kingdom

**9.30** GMP: a way of achieving quality assurance in PN compounding - Magdalena Pietka, Skawina, Poland

### **10.00 Workshop**

Review and verification of parenteral nutrition orders Justyna Zamarska, Cracow, Poland

### **11.00 Coffee break**

**11.15** The benefits of standardized ordering and labelling processes in reducing PN errors - Witold Brniak, Skawina, Poland

**11.45** Strategies used to avoid PN errors with automated compounding devices in practice - Justyna Zamarska, Cracow, Poland

### **12.15 Workshop**

Sharing experiences: role of pharmacists in clinical nutrition in different country – delegates' presentation and discussion.

**12.45** Y-site compatibility of medications with parenteral nutrition - István G Télessy, Pécs, Hungary

### **13.15 TEST**

### **13.30 Lunch**

**14.30** Compatibility between the physician's order and the pharmaceutical possibilities - Stanislaw Klek, Skawina, Poland

**15.00** Pharmaconutrition: pharmacological approach to nutrition therapy - Stanislaw Klek, Skawina, Poland

**15.30** End of course – Presentation of certificates



## Course Evaluation

After the course all participants were asked to fill out an evaluation form and scoring particular aspects of the lectures, such as:

- Teaching effectiveness
- Content value
- Improved my knowledge
- Useful to my practice

We used a word rating scale (Excellent, Good, Fair, Poor) to measure the delegates opinions, and then we coding of the responses into its score values (Excellent=3, Good=2, Fair=1, Poor=0) and finally interpreting what the resulting numbers mean in accordance to the word scale. The course turned out to be highly appreciated by the participants. Overall quality was assessed between Good and Excellent, mean value 2.7.